

## **Appendix A. Classical Item Statistics: Operational Forms**

Table A1. Algebra Operational Items: May08 - Target - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 108  | 1      | 258090 | 0.60  | 0.34  | -0.20  | -0.22  | 0.34   | 0.13   |
|      | 2      | 258095 | 0.71  | 0.40  | 0.40   | -0.24  | -0.28  | 0.00   |
|      | 4      | 258166 | 0.73  | 0.35  | -0.31  | 0.35   | -0.13  | 0.06   |
|      | 6      | 258312 | 0.53  | 0.42  | 0.42   | -0.29  | -0.23  | 0.06   |
|      | 9      | 258173 | 0.54  | 0.30  | -0.13  | 0.30   | -0.22  | 0.13   |
|      | 10     | 258115 | 0.41  | 0.36  | 0.36   | -0.22  | -0.16  | 0.38   |
|      | 13     | 258223 | 0.30  | 0.13  | -0.08  | 0.13   | -0.05  | 0.13   |
|      | 22     | 258230 | 0.46  | 0.27  | 0.27   | -0.21  | -0.10  | 0.25   |
|      | 25     | 258147 | 0.49  | 0.31  | 0.31   | -0.14  | -0.22  | 0.31   |
|      | 28     | 261560 | 0.62  | 0.31  | -0.17  | 0.31   | -0.20  | 0.38   |
|      | 29     | 258227 | 0.61  | 0.35  | 0.35   | -0.17  | -0.25  | 0.44   |
|      | 30     | 258308 | 0.39  | 0.26  | 0.26   | -0.14  | -0.13  | 0.44   |
|      | 31     | 258101 | 0.52  | 0.30  | -0.24  | 0.30   | -0.09  | 0.44   |
|      | 34     | 258210 | 0.74  | 0.34  | -0.22  | 0.34   | -0.22  | 0.56   |
|      | 35     | 258116 | 0.40  | 0.16  | 0.16   | -0.13  | -0.05  | 0.50   |
|      | 36     | 258089 | 0.32  | 0.28  | -0.11  | 0.28   | -0.14  | 0.50   |
|      | 41     | 261556 | 0.41  | 0.26  | 0.26   | -0.17  | -0.09  | 0.50   |
|      | 42     | 258309 | 0.79  | 0.41  | -0.23  | -0.28  | 0.41   | 0.63   |
|      | 43     | 258098 | 0.58  | 0.38  | -0.23  | -0.22  | 0.38   | 0.50   |
|      | 44     | 258208 | 0.42  | 0.20  | -0.02  | -0.17  | 0.20   | 0.56   |
|      | 45     | 258161 | 0.55  | 0.48  | 0.48   | -0.39  | -0.13  | 0.56   |
|      | 46     | 258159 | 0.43  | 0.27  | -0.10  | -0.17  | 0.27   | 0.88   |
|      | 56     | 258184 | 0.46  | 0.30  | -0.13  | 0.30   | -0.18  | 0.75   |
|      | 58     | 258136 | 0.51  | 0.39  | -0.21  | 0.39   | -0.22  | 0.94   |
|      | 59     | 258102 | 0.48  | 0.34  | -0.14  | 0.34   | -0.22  | 0.63   |
|      | 60     | 258226 | 0.38  | 0.31  | -0.09  | -0.21  | 0.31   | 0.82   |
|      | 62     | 258188 | 0.65  | 0.29  | -0.15  | 0.29   | -0.19  | 0.88   |
|      | 63     | 258174 | 0.44  | 0.25  | -0.08  | -0.16  | 0.25   | 0.82   |
|      | 67     | 258187 | 0.55  | 0.32  | -0.09  | -0.23  | 0.32   | 1.19   |
|      | 68     | 258154 | 0.35  | 0.44  | -0.25  | -0.16  | 0.44   | 1.13   |
|      | 69     | 258113 | 0.54  | 0.36  | -0.23  | 0.36   | -0.15  | 1.19   |
|      | 72     | 258198 | 0.40  | 0.27  | -0.15  | -0.10  | 0.27   | 1.25   |
|      | 73     | 258167 | 0.62  | 0.35  | -0.20  | 0.35   | -0.18  | 1.07   |
|      | 74     | 258169 | 0.46  | 0.27  | -0.12  | -0.13  | 0.27   | 1.13   |
|      | 75     | 258119 | 0.43  | 0.30  | 0.30   | -0.07  | -0.23  | 1.13   |
|      | 76     | 258160 | 0.40  | 0.27  | 0.27   | -0.14  | -0.10  | 1.07   |
|      | 77     | 258241 | 0.53  | 0.36  | -0.18  | 0.36   | -0.20  | 1.07   |
|      | 78     | 258130 | 0.47  | 0.28  | 0.28   | -0.15  | -0.12  | 1.19   |
|      | 79     | 258131 | 0.23  | 0.06  | 0.06   | 0.09   | -0.12  | 1.38   |
|      | 88     | 258128 | 0.65  | 0.41  | -0.23  | 0.41   | -0.23  | 1.44   |
|      | 89     | 258509 | 0.35  | 0.19  | 0.19   | -0.20  | 0.05   | 1.38   |
|      | 90     | 258231 | 0.60  | 0.45  | -0.24  | -0.26  | 0.45   | 1.44   |

Table A1. Algebra Operational Items: May08 - Target - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 91     | 258111 | 0.55  | 0.36  | -0.16  | 0.36   | -0.24  | 1.50   |
| 108  | 92     | 258096 | 0.26  | 0.13  | 0.13   | 0.10   | -0.20  | 1.57   |
|      | 93     | 258125 | 0.40  | 0.13  | -0.15  | 0.13   | 0.03   | 1.44   |
|      | 94     | 258144 | 0.30  | 0.15  | 0.15   | 0.04   | -0.15  | 1.38   |
|      | 95     | 261558 | 0.37  | 0.21  | -0.04  | 0.21   | -0.13  | 1.44   |
|      | 97     | 261562 | 0.39  | 0.23  | 0.23   | -0.11  | -0.08  | 1.38   |
|      | 98     | 258220 | 0.33  | 0.19  | -0.08  | -0.05  | 0.19   | 1.38   |
|      | 99     | 258135 | 0.51  | 0.23  | -0.12  | 0.23   | -0.08  | 1.63   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A2. Algebra Operational Items: May08 - Target - Form 208

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 208  | 6      | 258190 | 0.42  | 0.28  | -0.18  | -0.13  | 0.28   | 0.00   |
|      | 8      | 258164 | 0.38  | 0.26  | -0.17  | -0.11  | 0.26   | 0.00   |
|      | 9      | 258224 | 0.31  | 0.35  | -0.02  | 0.35   | -0.32  | 0.00   |
|      | 10     | 258107 | 0.32  | 0.15  | -0.04  | -0.11  | 0.15   | 0.00   |
|      | 11     | 258126 | 0.50  | 0.36  | 0.36   | -0.24  | -0.17  | 0.09   |
|      | 22     | 258239 | 0.37  | 0.19  | -0.07  | 0.19   | -0.14  | 0.00   |
|      | 23     | 258123 | 0.58  | 0.43  | 0.43   | -0.33  | -0.18  | 0.00   |
|      | 24     | 258124 | 0.31  | 0.34  | -0.11  | -0.21  | 0.34   | 0.09   |
|      | 25     | 258168 | 0.56  | 0.20  | -0.09  | 0.20   | -0.18  | 0.00   |
|      | 26     | 258200 | 0.26  | 0.26  | 0.26   | 0.00   | -0.24  | 0.00   |
|      | 27     | 258179 | 0.33  | 0.18  | -0.10  | -0.09  | 0.18   | 0.00   |
|      | 28     | 258235 | 0.62  | 0.39  | -0.27  | 0.39   | -0.21  | 0.09   |
|      | 30     | 258105 | 0.34  | 0.21  | 0.21   | -0.21  | -0.02  | 0.18   |
|      | 32     | 258236 | 0.49  | 0.27  | -0.20  | 0.27   | -0.13  | 0.09   |
|      | 33     | 261559 | 0.34  | 0.18  | 0.18   | -0.13  | -0.07  | 0.09   |
|      | 34     | 258211 | 0.44  | 0.36  | -0.29  | 0.36   | -0.10  | 0.45   |
|      | 35     | 258209 | 0.68  | 0.22  | -0.11  | -0.17  | 0.22   | 0.54   |
|      | 36     | 258182 | 0.60  | 0.46  | -0.19  | -0.34  | 0.46   | 0.54   |
|      | 40     | 258238 | 0.23  | 0.34  | -0.14  | -0.14  | 0.34   | 0.54   |
|      | 42     | 261561 | 0.56  | 0.32  | 0.32   | -0.15  | -0.21  | 0.45   |
|      | 44     | 258132 | 0.48  | 0.29  | -0.12  | 0.29   | -0.19  | 0.45   |
|      | 45     | 258158 | 0.43  | 0.34  | -0.16  | -0.19  | 0.34   | 0.45   |
|      | 46     | 258145 | 0.57  | 0.37  | -0.23  | 0.37   | -0.18  | 0.54   |
|      | 55     | 258117 | 0.46  | 0.28  | -0.12  | -0.16  | 0.28   | 0.62   |
|      | 56     | 258229 | 0.66  | 0.29  | -0.18  | 0.29   | -0.15  | 0.54   |
|      | 57     | 258197 | 0.50  | 0.34  | -0.22  | 0.34   | -0.16  | 0.54   |
|      | 58     | 258097 | 0.30  | 0.37  | 0.37   | -0.11  | -0.25  | 0.54   |
|      | 59     | 258310 | 0.60  | 0.39  | -0.21  | -0.26  | 0.39   | 0.54   |
|      | 60     | 258109 | 0.44  | 0.34  | 0.34   | -0.18  | -0.18  | 0.62   |
|      | 61     | 258110 | 0.40  | 0.18  | -0.03  | 0.18   | -0.15  | 0.71   |
|      | 62     | 258103 | 0.28  | 0.13  | 0.13   | -0.12  | 0.03   | 0.54   |
|      | 63     | 258108 | 0.49  | 0.13  | -0.04  | 0.13   | -0.08  | 0.62   |
|      | 64     | 258196 | 0.59  | 0.22  | -0.09  | 0.22   | -0.17  | 0.62   |
|      | 65     | 261564 | 0.49  | 0.34  | 0.34   | -0.17  | -0.19  | 0.54   |
|      | 67     | 258153 | 0.32  | 0.24  | 0.24   | -0.04  | -0.16  | 0.89   |
|      | 68     | 258181 | 0.72  | 0.42  | -0.23  | -0.27  | 0.42   | 0.80   |
|      | 69     | 258240 | 0.58  | 0.27  | -0.12  | 0.27   | -0.19  | 0.89   |
|      | 71     | 258157 | 0.23  | 0.17  | 0.17   | -0.04  | -0.07  | 0.80   |
|      | 74     | 258091 | 0.29  | 0.25  | -0.07  | 0.25   | -0.14  | 0.80   |
|      | 75     | 258118 | 0.51  | 0.37  | 0.37   | -0.21  | -0.20  | 0.80   |
|      | 77     | 258225 | 0.55  | 0.26  | -0.14  | 0.26   | -0.14  | 0.80   |
|      | 78     | 261557 | 0.41  | 0.22  | 0.22   | -0.23  | 0.04   | 0.80   |

Table A2. Algebra Operational Items: May08 - Target - Form 208

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 89     | 258152 | 0.43  | 0.25  | 0.25   | -0.18  | -0.06  | 0.80   |
| 208  | 90     | 258133 | 0.39  | 0.32  | 0.32   | -0.19  | -0.11  | 0.89   |
|      | 91     | 258311 | 0.42  | 0.26  | -0.15  | 0.26   | -0.09  | 0.80   |
|      | 92     | 258178 | 0.65  | 0.28  | -0.15  | -0.16  | 0.28   | 0.80   |
|      | 93     | 258100 | 0.57  | 0.31  | -0.21  | 0.31   | -0.12  | 0.80   |
|      | 95     | 258171 | 0.49  | 0.33  | -0.17  | 0.33   | -0.17  | 0.80   |
|      | 96     | 258142 | 0.46  | 0.34  | -0.11  | -0.23  | 0.34   | 0.80   |
|      | 97     | 258150 | 0.40  | 0.24  | 0.24   | -0.05  | -0.17  | 0.80   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A3. Algebra Operational Items: May08 - Linking - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 108  | 1      | 258090 | 0.83  | 0.22  | -0.13  | -0.17  | 0.22   | 0.00   |
|      | 2      | 258095 | 0.96  | 0.24  | 0.24   | -0.12  | -0.24  | 0.08   |
|      | 4      | 258166 | 0.93  | 0.23  | -0.19  | 0.23   | -0.15  | 0.00   |
|      | 6      | 258312 | 0.88  | 0.48  | 0.48   | -0.42  | -0.22  | 0.00   |
|      | 9      | 258173 | 0.69  | 0.28  | -0.17  | 0.28   | -0.19  | 0.17   |
|      | 10     | 258115 | 0.79  | 0.46  | 0.46   | -0.36  | -0.24  | 0.08   |
|      | 13     | 258223 | 0.44  | 0.27  | -0.12  | 0.27   | -0.18  | 0.08   |
|      | 22     | 258230 | 0.64  | 0.18  | 0.18   | -0.15  | -0.09  | 0.08   |
|      | 25     | 258147 | 0.75  | 0.40  | 0.40   | -0.33  | -0.17  | 0.08   |
|      | 28     | 261560 | 0.84  | 0.30  | -0.23  | 0.30   | -0.16  | 0.08   |
|      | 29     | 258227 | 0.84  | 0.35  | 0.35   | -0.23  | -0.23  | 0.08   |
|      | 30     | 258308 | 0.73  | 0.37  | 0.37   | -0.20  | -0.26  | 0.17   |
|      | 31     | 258101 | 0.83  | 0.39  | -0.23  | 0.39   | -0.28  | 0.08   |
|      | 34     | 258210 | 0.95  | 0.23  | -0.17  | 0.23   | -0.10  | 0.25   |
|      | 35     | 258116 | 0.62  | 0.28  | 0.28   | -0.20  | -0.18  | 0.25   |
|      | 36     | 258089 | 0.67  | 0.49  | -0.27  | 0.49   | -0.33  | 0.33   |
|      | 41     | 261556 | 0.66  | 0.30  | 0.30   | -0.12  | -0.23  | 0.25   |
|      | 42     | 258309 | 0.94  | 0.27  | -0.19  | -0.15  | 0.27   | 0.25   |
|      | 43     | 258098 | 0.84  | 0.35  | -0.17  | -0.28  | 0.35   | 0.25   |
|      | 44     | 258208 | 0.77  | 0.47  | -0.30  | -0.30  | 0.47   | 0.33   |
|      | 45     | 258161 | 0.88  | 0.44  | 0.44   | -0.37  | -0.19  | 0.25   |
|      | 46     | 258159 | 0.65  | 0.40  | -0.25  | -0.24  | 0.40   | 0.25   |
|      | 56     | 258184 | 0.70  | 0.47  | -0.18  | 0.47   | -0.38  | 0.25   |
|      | 58     | 258136 | 0.86  | 0.41  | -0.20  | 0.41   | -0.32  | 0.42   |
|      | 59     | 258102 | 0.77  | 0.40  | -0.20  | 0.40   | -0.30  | 0.25   |
|      | 60     | 258226 | 0.59  | 0.43  | -0.17  | -0.32  | 0.43   | 0.25   |
|      | 62     | 258188 | 0.84  | 0.38  | -0.25  | 0.38   | -0.24  | 0.25   |
|      | 63     | 258174 | 0.67  | 0.38  | -0.20  | -0.26  | 0.38   | 0.25   |
|      | 67     | 258187 | 0.82  | 0.42  | -0.19  | -0.31  | 0.42   | 0.50   |
|      | 68     | 258154 | 0.79  | 0.44  | -0.28  | -0.25  | 0.44   | 0.58   |
|      | 69     | 258113 | 0.81  | 0.43  | -0.33  | 0.43   | -0.20  | 0.50   |
|      | 72     | 258198 | 0.68  | 0.46  | -0.26  | -0.30  | 0.46   | 0.50   |
|      | 73     | 258167 | 0.88  | 0.43  | -0.33  | 0.43   | -0.18  | 0.50   |
|      | 74     | 258169 | 0.75  | 0.51  | -0.28  | -0.33  | 0.51   | 0.66   |
|      | 75     | 258119 | 0.66  | 0.37  | 0.37   | -0.25  | -0.22  | 0.50   |
|      | 76     | 258160 | 0.61  | 0.43  | 0.43   | -0.23  | -0.26  | 0.50   |
|      | 77     | 258241 | 0.80  | 0.44  | -0.34  | 0.44   | -0.19  | 0.50   |
|      | 78     | 258130 | 0.69  | 0.39  | 0.39   | -0.26  | -0.20  | 0.58   |
|      | 79     | 258131 | 0.29  | 0.17  | 0.17   | -0.05  | -0.11  | 0.50   |
|      | 88     | 258128 | 0.89  | 0.33  | -0.18  | 0.33   | -0.20  | 0.58   |
|      | 89     | 258509 | 0.57  | 0.37  | 0.37   | -0.31  | -0.15  | 0.66   |
|      | 90     | 258231 | 0.87  | 0.43  | -0.25  | -0.28  | 0.43   | 0.75   |

Table A3. Algebra Operational Items: May08 - Linking - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 91     | 258111 | 0.76  | 0.40  | -0.28  | 0.40   | -0.23  | 0.66   |
| 108  | 92     | 258096 | 0.38  | 0.36  | 0.36   | -0.14  | -0.26  | 0.66   |
|      | 93     | 258125 | 0.60  | 0.22  | -0.17  | 0.22   | -0.13  | 0.66   |
|      | 94     | 258144 | 0.54  | 0.48  | 0.48   | -0.32  | -0.24  | 0.66   |
|      | 95     | 261558 | 0.70  | 0.44  | -0.28  | 0.44   | -0.24  | 0.66   |
|      | 97     | 261562 | 0.72  | 0.43  | 0.43   | -0.30  | -0.21  | 0.66   |
|      | 98     | 258220 | 0.57  | 0.48  | -0.25  | -0.29  | 0.48   | 0.75   |
|      | 99     | 258135 | 0.76  | 0.43  | -0.35  | 0.43   | -0.16  | 0.75   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation,  
 %Omits = percent of omitted responses.

Table A4. Algebra Operational Items: May08 - Linking - Form 208

| Form | Pos No | ItemID | P Val | R ITT | P BIS1 | P BIS2 | P BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 208  | 6      | 258190 | 0.71  | 0.42  | -0.31  | -0.23  | 0.42   | 0.15   |
|      | 8      | 258164 | 0.61  | 0.35  | -0.22  | -0.24  | 0.35   | 0.00   |
|      | 9      | 258224 | 0.71  | 0.43  | -0.20  | 0.43   | -0.36  | 0.00   |
|      | 10     | 258107 | 0.51  | 0.38  | -0.20  | -0.26  | 0.38   | 0.00   |
|      | 11     | 258126 | 0.67  | 0.36  | 0.36   | -0.23  | -0.24  | 0.00   |
|      | 22     | 258239 | 0.64  | 0.38  | -0.29  | 0.38   | -0.19  | 0.08   |
|      | 23     | 258123 | 0.88  | 0.48  | 0.48   | -0.38  | -0.27  | 0.00   |
|      | 24     | 258124 | 0.73  | 0.51  | -0.31  | -0.35  | 0.51   | 0.00   |
|      | 25     | 258168 | 0.76  | 0.31  | -0.25  | 0.31   | -0.15  | 0.00   |
|      | 26     | 258200 | 0.49  | 0.34  | 0.34   | -0.10  | -0.34  | 0.00   |
|      | 27     | 258179 | 0.46  | 0.22  | -0.23  | -0.08  | 0.22   | 0.15   |
|      | 28     | 258235 | 0.87  | 0.28  | -0.21  | 0.28   | -0.18  | 0.08   |
|      | 30     | 258105 | 0.53  | 0.30  | 0.30   | -0.26  | -0.13  | 0.00   |
|      | 32     | 258236 | 0.73  | 0.44  | -0.21  | 0.44   | -0.35  | 0.00   |
|      | 33     | 261559 | 0.54  | 0.31  | 0.31   | -0.15  | -0.23  | 0.23   |
|      | 34     | 258211 | 0.59  | 0.19  | -0.16  | 0.19   | -0.10  | 0.00   |
|      | 35     | 258209 | 0.86  | 0.21  | -0.15  | -0.16  | 0.21   | 0.00   |
|      | 36     | 258182 | 0.91  | 0.34  | -0.15  | -0.31  | 0.34   | 0.00   |
|      | 40     | 258238 | 0.65  | 0.61  | -0.52  | -0.21  | 0.61   | 0.00   |
|      | 42     | 261561 | 0.89  | 0.31  | 0.31   | -0.22  | -0.21  | 0.00   |
|      | 44     | 258132 | 0.64  | 0.33  | -0.15  | 0.33   | -0.26  | 0.00   |
|      | 45     | 258158 | 0.71  | 0.38  | -0.21  | -0.28  | 0.38   | 0.15   |
|      | 46     | 258145 | 0.80  | 0.44  | -0.27  | 0.44   | -0.33  | 0.00   |
|      | 55     | 258117 | 0.65  | 0.34  | -0.16  | -0.27  | 0.34   | 0.00   |
|      | 56     | 258229 | 0.85  | 0.31  | -0.21  | 0.31   | -0.21  | 0.08   |
|      | 57     | 258197 | 0.78  | 0.36  | -0.29  | 0.36   | -0.19  | 0.00   |
|      | 58     | 258097 | 0.70  | 0.46  | 0.46   | -0.37  | -0.22  | 0.00   |
|      | 59     | 258310 | 0.88  | 0.37  | -0.18  | -0.31  | 0.37   | 0.00   |
|      | 60     | 258109 | 0.62  | 0.42  | 0.42   | -0.32  | -0.20  | 0.00   |
|      | 61     | 258110 | 0.62  | 0.31  | -0.13  | 0.31   | -0.28  | 0.00   |
|      | 62     | 258103 | 0.44  | 0.38  | 0.38   | -0.41  | -0.02  | 0.08   |
|      | 63     | 258108 | 0.50  | 0.19  | -0.10  | 0.19   | -0.12  | 0.08   |
|      | 64     | 258196 | 0.74  | 0.25  | -0.16  | 0.25   | -0.19  | 0.08   |
|      | 65     | 261564 | 0.80  | 0.43  | 0.43   | -0.34  | -0.22  | 0.08   |
|      | 67     | 258153 | 0.58  | 0.39  | 0.39   | -0.13  | -0.31  | 0.38   |
|      | 68     | 258181 | 0.95  | 0.31  | -0.22  | -0.17  | 0.31   | 0.38   |
|      | 69     | 258240 | 0.85  | 0.32  | -0.26  | 0.32   | -0.13  | 0.46   |
|      | 71     | 258157 | 0.53  | 0.45  | 0.45   | -0.21  | -0.31  | 0.38   |
|      | 74     | 258091 | 0.69  | 0.58  | -0.36  | 0.58   | -0.38  | 0.38   |
|      | 75     | 258118 | 0.81  | 0.36  | 0.36   | -0.28  | -0.18  | 0.46   |
|      | 77     | 258225 | 0.76  | 0.33  | -0.16  | 0.33   | -0.24  | 0.38   |
|      | 78     | 261557 | 0.66  | 0.34  | 0.34   | -0.20  | -0.21  | 0.38   |

Table A4. Algebra Operational Items: May08 - Linking - Form 208

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 89     | 258152 | 0.74  | 0.40  | 0.40   | -0.31  | -0.20  | 0.38   |
| 208  | 90     | 258133 | 0.70  | 0.36  | 0.36   | -0.31  | -0.16  | 0.46   |
|      | 91     | 258311 | 0.74  | 0.56  | -0.46  | 0.56   | -0.23  | 0.46   |
|      | 92     | 258178 | 0.82  | 0.31  | -0.20  | -0.20  | 0.31   | 0.46   |
|      | 93     | 258100 | 0.77  | 0.37  | -0.26  | 0.37   | -0.21  | 0.38   |
|      | 95     | 258171 | 0.77  | 0.43  | -0.28  | 0.43   | -0.26  | 0.46   |
|      | 96     | 258142 | 0.75  | 0.41  | -0.18  | -0.32  | 0.41   | 0.54   |
|      | 97     | 258150 | 0.54  | 0.29  | 0.29   | -0.14  | -0.20  | 0.46   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A5. Algebra Operational Items: Summer08 - Form 308

| Form | Pos No | ItemID | P Val | R ITT | P BIS1 | P BIS2 | P BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 308  | 1      | 258090 | 0.70  | 0.39  | -0.36  | -0.13  | 0.39   | 0.00   |
|      | 2      | 258095 | 0.79  | 0.36  | 0.36   | -0.25  | -0.23  | 0.00   |
|      | 4      | 258166 | 0.77  | 0.36  | -0.36  | 0.36   | -0.07  | 0.00   |
|      | 6      | 258312 | 0.51  | 0.21  | 0.21   | -0.12  | -0.15  | 0.00   |
|      | 9      | 258173 | 0.44  | 0.41  | -0.10  | 0.41   | -0.36  | 0.00   |
|      | 10     | 258115 | 0.40  | 0.38  | 0.38   | -0.21  | -0.20  | 0.00   |
|      | 13     | 258223 | 0.29  | -0.03 | -0.04  | -0.03  | 0.06   | 0.00   |
|      | 14     | 258230 | 0.48  | 0.35  | 0.35   | -0.24  | -0.17  | 0.00   |
|      | 17     | 258147 | 0.40  | 0.40  | 0.40   | -0.24  | -0.20  | 0.00   |
|      | 20     | 261560 | 0.67  | 0.31  | -0.26  | 0.31   | -0.14  | 0.00   |
|      | 21     | 258227 | 0.60  | 0.38  | 0.38   | -0.17  | -0.32  | 0.00   |
|      | 22     | 258308 | 0.48  | 0.38  | 0.38   | -0.26  | -0.19  | 0.00   |
|      | 23     | 258101 | 0.48  | 0.46  | -0.28  | 0.46   | -0.25  | 0.00   |
|      | 26     | 258210 | 0.81  | 0.32  | -0.27  | 0.32   | -0.16  | 0.00   |
|      | 27     | 258116 | 0.52  | 0.24  | 0.24   | -0.19  | -0.11  | 0.00   |
|      | 28     | 258089 | 0.28  | 0.39  | -0.21  | 0.39   | -0.14  | 0.00   |
|      | 33     | 261556 | 0.38  | 0.14  | 0.14   | -0.25  | 0.10   | 0.00   |
|      | 34     | 258309 | 0.80  | 0.21  | 0.03   | -0.26  | 0.21   | 0.00   |
|      | 35     | 258098 | 0.67  | 0.24  | -0.09  | -0.21  | 0.24   | 0.00   |
|      | 36     | 258208 | 0.53  | 0.39  | -0.24  | -0.21  | 0.39   | 0.00   |
|      | 37     | 258161 | 0.62  | 0.45  | 0.45   | -0.40  | -0.13  | 0.00   |
|      | 38     | 258159 | 0.35  | 0.38  | -0.20  | -0.19  | 0.38   | 0.00   |
|      | 40     | 258184 | 0.53  | 0.38  | -0.16  | 0.38   | -0.30  | 0.00   |
|      | 42     | 258136 | 0.57  | 0.21  | -0.17  | 0.21   | -0.09  | 0.00   |
|      | 43     | 258102 | 0.48  | 0.26  | -0.25  | 0.26   | -0.08  | 0.00   |
|      | 44     | 258226 | 0.49  | 0.25  | -0.16  | -0.13  | 0.25   | 0.00   |
|      | 46     | 258188 | 0.72  | 0.19  | -0.07  | 0.19   | -0.18  | 0.00   |
|      | 47     | 258174 | 0.49  | 0.16  | -0.15  | -0.08  | 0.16   | 2.13   |
|      | 51     | 258187 | 0.64  | 0.44  | -0.28  | -0.26  | 0.44   | 0.00   |
|      | 52     | 258154 | 0.31  | 0.50  | -0.44  | -0.04  | 0.50   | 0.00   |
|      | 53     | 258113 | 0.64  | 0.35  | -0.20  | 0.35   | -0.25  | 0.00   |
|      | 56     | 258198 | 0.36  | 0.33  | -0.38  | 0.02   | 0.33   | 0.00   |
|      | 57     | 258167 | 0.59  | 0.33  | -0.29  | 0.33   | -0.10  | 0.00   |
|      | 58     | 258169 | 0.40  | 0.29  | -0.02  | -0.28  | 0.29   | 0.00   |
|      | 59     | 258119 | 0.48  | 0.30  | 0.30   | -0.19  | -0.16  | 0.00   |
|      | 60     | 258160 | 0.44  | 0.42  | 0.42   | -0.17  | -0.29  | 0.00   |
|      | 61     | 258241 | 0.52  | 0.17  | -0.04  | 0.17   | -0.17  | 0.00   |
|      | 62     | 258130 | 0.50  | 0.18  | 0.18   | -0.10  | -0.11  | 0.00   |
|      | 63     | 258131 | 0.18  | 0.09  | 0.09   | 0.03   | -0.14  | 0.00   |
|      | 64     | 258128 | 0.61  | 0.39  | -0.25  | 0.39   | -0.22  | 1.06   |
|      | 65     | 258509 | 0.38  | 0.18  | 0.18   | -0.27  | 0.08   | 0.00   |
|      | 66     | 258231 | 0.60  | 0.47  | -0.20  | -0.38  | 0.47   | 0.00   |

Table A5. Algebra Operational Items: Summer08 - Form 308

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 67     | 258111 | 0.53  | 0.27  | -0.09  | 0.27   | -0.28  | 0.00   |
| 308  | 68     | 258096 | 0.26  | 0.10  | 0.10   | -0.03  | -0.08  | 0.00   |
|      | 69     | 258125 | 0.41  | -0.03 | -0.21  | -0.03  | 0.23   | 1.06   |
|      | 70     | 258144 | 0.38  | 0.19  | 0.19   | 0.02   | -0.23  | 0.00   |
|      | 71     | 261558 | 0.46  | 0.15  | 0.03   | 0.15   | -0.19  | 0.00   |
|      | 73     | 261562 | 0.46  | 0.25  | 0.25   | -0.25  | -0.02  | 0.00   |
|      | 74     | 258220 | 0.34  | 0.06  | -0.09  | 0.02   | 0.06   | 0.00   |
|      | 75     | 258135 | 0.49  | 0.31  | -0.27  | 0.31   | -0.07  | 0.00   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A6. Biology Operational Items: May08 - Target - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 108  | 1      | 258636 | 0.63  | 0.31  | -0.19  | 0.31   | -0.20  | 0.00   |
|      | 2      | 258653 | 0.37  | 0.29  | 0.29   | -0.10  | -0.21  | 0.28   |
|      | 4      | 258690 | 0.40  | 0.14  | 0.00   | -0.14  | 0.14   | 0.00   |
|      | 5      | 258702 | 0.59  | 0.38  | -0.31  | 0.38   | -0.15  | 0.19   |
|      | 18     | 258662 | 0.37  | 0.33  | -0.12  | -0.20  | 0.33   | 0.28   |
|      | 20     | 258659 | 0.28  | 0.14  | 0.14   | -0.12  | 0.01   | 0.38   |
|      | 23     | 258673 | 0.63  | 0.26  | -0.09  | -0.22  | 0.26   | 0.38   |
|      | 25     | 258701 | 0.38  | 0.29  | -0.22  | 0.29   | -0.08  | 0.28   |
|      | 26     | 258628 | 0.61  | 0.25  | 0.25   | -0.16  | -0.12  | 0.28   |
|      | 27     | 258685 | 0.30  | 0.25  | 0.25   | -0.18  | -0.09  | 0.28   |
|      | 30     | 261611 | 0.16  | 0.06  | -0.02  | -0.01  | 0.06   | 0.38   |
|      | 31     | 258615 | 0.46  | 0.20  | -0.11  | 0.20   | -0.09  | 0.28   |
|      | 32     | 258683 | 0.64  | 0.40  | -0.25  | 0.40   | -0.24  | 0.38   |
|      | 33     | 258641 | 0.53  | 0.14  | -0.06  | 0.14   | -0.08  | 0.38   |
|      | 34     | 258676 | 0.44  | 0.15  | -0.06  | 0.15   | -0.09  | 0.38   |
|      | 35     | 258607 | 0.59  | 0.23  | -0.14  | 0.23   | -0.15  | 0.38   |
|      | 36     | 258645 | 0.51  | 0.43  | -0.20  | -0.27  | 0.43   | 0.38   |
|      | 37     | 258666 | 0.52  | 0.21  | -0.09  | 0.21   | -0.14  | 0.28   |
|      | 38     | 258675 | 0.48  | 0.28  | -0.15  | 0.28   | -0.16  | 0.47   |
|      | 39     | 261609 | 0.60  | 0.22  | -0.05  | -0.24  | 0.22   | 0.28   |
|      | 40     | 258665 | 0.30  | 0.20  | 0.20   | -0.04  | -0.14  | 0.38   |
|      | 41     | 258682 | 0.53  | 0.17  | -0.13  | 0.17   | -0.05  | 0.28   |
|      | 42     | 258648 | 0.46  | 0.31  | -0.15  | 0.31   | -0.18  | 0.38   |
|      | 53     | 258614 | 0.43  | 0.36  | -0.18  | -0.19  | 0.36   | 0.28   |
|      | 54     | 258680 | 0.45  | 0.25  | -0.08  | -0.18  | 0.25   | 0.47   |
|      | 55     | 258681 | 0.38  | 0.20  | -0.07  | -0.12  | 0.20   | 0.38   |
|      | 56     | 258642 | 0.54  | 0.22  | -0.06  | 0.22   | -0.17  | 0.38   |
|      | 58     | 261623 | 0.64  | 0.34  | -0.15  | -0.26  | 0.34   | 0.57   |
|      | 59     | 258649 | 0.27  | 0.19  | 0.19   | -0.30  | 0.13   | 0.38   |
|      | 61     | 258687 | 0.49  | 0.23  | -0.12  | 0.23   | -0.13  | 0.28   |
|      | 62     | 258646 | 0.36  | 0.24  | 0.24   | -0.22  | -0.01  | 0.57   |
|      | 63     | 261626 | 0.63  | 0.34  | -0.28  | -0.14  | 0.34   | 0.38   |
|      | 64     | 258707 | 0.48  | 0.38  | 0.38   | -0.25  | -0.16  | 0.47   |
|      | 66     | 258643 | 0.53  | 0.25  | 0.25   | -0.14  | -0.16  | 0.57   |
|      | 67     | 258698 | 0.36  | 0.10  | -0.09  | 0.01   | 0.10   | 0.57   |
|      | 68     | 258728 | 0.24  | 0.16  | -0.14  | -0.04  | 0.16   | 0.50   |
|      | 69     | 258734 | 0.52  | 0.34  | -0.15  | -0.22  | 0.34   | 0.65   |
|      | 70     | 258735 | 0.51  | 0.31  | -0.20  | 0.31   | -0.15  | 0.45   |
|      | 71     | 258704 | 0.51  | 0.28  | -0.14  | 0.28   | -0.16  | 0.66   |
|      | 72     | 258624 | 0.52  | 0.30  | 0.30   | -0.20  | -0.11  | 0.66   |
|      | 73     | 258697 | 0.42  | 0.19  | 0.19   | -0.11  | -0.07  | 0.45   |
|      | 74     | 258616 | 0.22  | -0.02 | -0.06  | -0.02  | 0.10   | 0.50   |
|      | 83     | 258617 | 0.47  | 0.13  | 0.13   | -0.20  | 0.07   | 0.76   |

Table A6. Biology Operational Items: May08 - Target - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 108  | 84     | 258688 | 0.42  | 0.21  | -0.17  | -0.03  | 0.21   | 0.57   |
|      | 85     | 258669 | 0.61  | 0.29  | -0.15  | -0.17  | 0.29   | 0.85   |
|      | 86     | 261621 | 0.66  | 0.42  | 0.42   | -0.24  | -0.26  | 0.66   |
|      | 88     | 261619 | 0.62  | 0.31  | -0.20  | 0.31   | -0.15  | 0.57   |
|      | 91     | 258692 | 0.46  | 0.23  | -0.03  | -0.19  | 0.23   | 0.57   |
|      | 93     | 258635 | 0.54  | 0.38  | -0.23  | -0.19  | 0.38   | 0.57   |
|      | 94     | 261616 | 0.47  | 0.36  | -0.25  | -0.12  | 0.36   | 0.66   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation,  
 %Omits = percent of omitted responses.

Table A7. Biology Operational Items: May08 - Target - Form 208

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 208  | 1      | 258627 | 0.76  | 0.24  | -0.15  | 0.24   | -0.18  | 0.00   |
|      | 2      | 258733 | 0.50  | 0.10  | 0.10   | -0.01  | -0.12  | 0.00   |
|      | 4      | 258684 | 0.47  | 0.11  | 0.10   | -0.22  | 0.11   | 0.11   |
|      | 5      | 258644 | 0.37  | 0.31  | 0.31   | -0.14  | -0.18  | 0.11   |
|      | 7      | 258634 | 0.44  | 0.26  | -0.23  | 0.26   | -0.06  | 0.11   |
|      | 8      | 261645 | 0.34  | 0.30  | -0.06  | -0.25  | 0.30   | 0.11   |
|      | 9      | 258619 | 0.38  | 0.31  | 0.31   | -0.13  | -0.18  | 0.21   |
|      | 18     | 258700 | 0.63  | 0.35  | -0.25  | -0.21  | 0.35   | 0.21   |
|      | 19     | 258618 | 0.32  | 0.18  | -0.04  | -0.13  | 0.18   | 0.21   |
|      | 21     | 261627 | 0.65  | 0.21  | -0.14  | 0.21   | -0.11  | 0.11   |
|      | 22     | 258639 | 0.39  | 0.24  | 0.24   | -0.08  | -0.16  | 0.11   |
|      | 24     | 258732 | 0.56  | 0.26  | 0.26   | -0.18  | -0.12  | 0.11   |
|      | 25     | 258727 | 0.50  | 0.33  | -0.22  | 0.33   | -0.16  | 0.11   |
|      | 26     | 258622 | 0.51  | 0.37  | 0.37   | -0.28  | -0.14  | 0.11   |
|      | 27     | 258695 | 0.47  | 0.14  | -0.03  | 0.14   | -0.11  | 0.42   |
|      | 28     | 258631 | 0.77  | 0.37  | 0.37   | -0.26  | -0.21  | 0.32   |
|      | 32     | 258699 | 0.26  | -0.03 | -0.23  | -0.03  | 0.25   | 0.32   |
|      | 33     | 261607 | 0.67  | 0.09  | -0.08  | 0.09   | -0.02  | 0.21   |
|      | 34     | 261624 | 0.44  | 0.35  | -0.16  | -0.22  | 0.35   | 0.21   |
|      | 35     | 258612 | 0.64  | 0.32  | -0.26  | 0.32   | -0.13  | 0.21   |
|      | 36     | 261610 | 0.45  | 0.35  | -0.15  | -0.22  | 0.35   | 0.32   |
|      | 37     | 258714 | 0.32  | 0.35  | 0.35   | -0.16  | -0.17  | 0.32   |
|      | 39     | 258725 | 0.66  | 0.31  | -0.19  | 0.31   | -0.19  | 0.21   |
|      | 40     | 258664 | 0.63  | 0.30  | -0.18  | 0.30   | -0.17  | 0.21   |
|      | 41     | 258638 | 0.33  | 0.11  | 0.01   | -0.11  | 0.11   | 0.32   |
|      | 55     | 258650 | 0.50  | 0.34  | -0.11  | -0.27  | 0.34   | 0.21   |
|      | 57     | 261614 | 0.58  | 0.40  | 0.40   | -0.27  | -0.22  | 0.21   |
|      | 58     | 261622 | 0.79  | 0.31  | -0.16  | 0.31   | -0.22  | 0.21   |
|      | 60     | 258705 | 0.28  | 0.21  | -0.10  | -0.08  | 0.21   | 0.32   |
|      | 62     | 258678 | 0.64  | 0.37  | -0.17  | 0.37   | -0.27  | 0.21   |
|      | 63     | 261642 | 0.40  | 0.29  | 0.29   | -0.26  | -0.02  | 0.21   |
|      | 64     | 258654 | 0.56  | 0.26  | -0.25  | -0.05  | 0.26   | 0.53   |
|      | 65     | 258670 | 0.34  | 0.18  | -0.02  | -0.14  | 0.18   | 0.32   |
|      | 66     | 258660 | 0.45  | 0.34  | -0.11  | -0.25  | 0.34   | 0.32   |
|      | 67     | 258637 | 0.49  | 0.38  | -0.17  | 0.38   | -0.25  | 0.32   |
|      | 71     | 258640 | 0.56  | 0.17  | -0.06  | 0.17   | -0.14  | 0.32   |
|      | 72     | 258674 | 0.44  | 0.23  | -0.05  | -0.19  | 0.23   | 0.32   |
|      | 73     | 258697 | 0.42  | 0.19  | 0.19   | -0.11  | -0.07  | 0.45   |
|      | 74     | 258616 | 0.22  | -0.02 | -0.06  | -0.02  | 0.10   | 0.50   |
|      | 83     | 258611 | 0.72  | 0.32  | -0.20  | 0.32   | -0.20  | 0.42   |
|      | 84     | 261640 | 0.38  | 0.26  | -0.18  | -0.09  | 0.26   | 0.32   |
|      | 86     | 261617 | 0.48  | 0.24  | 0.24   | -0.12  | -0.20  | 0.42   |

Table A7. Biology Operational Items: May08 - Target - Form 208

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 87     | 258726 | 0.43  | 0.22  | 0.22   | -0.06  | -0.17  | 0.32   |
| 208  | 88     | 258730 | 0.37  | 0.27  | 0.27   | -0.11  | -0.17  | 0.32   |
|      | 90     | 258651 | 0.49  | 0.48  | 0.48   | -0.28  | -0.25  | 0.32   |
|      | 91     | 258657 | 0.23  | 0.17  | -0.09  | -0.06  | 0.17   | 0.32   |
|      | 92     | 258712 | 0.45  | 0.37  | -0.21  | -0.20  | 0.37   | 0.32   |
|      | 93     | 258731 | 0.36  | 0.20  | -0.01  | -0.18  | 0.20   | 0.32   |
|      | 94     | 261608 | 0.51  | 0.41  | -0.20  | -0.26  | 0.41   | 0.42   |
|      | 95     | 258693 | 0.39  | 0.36  | 0.36   | -0.19  | -0.21  | 0.32   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A8. Biology Operational Items: May08 - Linking - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 108  | 1      | 258636 | 0.89  | 0.38  | -0.31  | 0.38   | -0.21  | 0.07   |
|      | 2      | 258653 | 0.67  | 0.45  | 0.45   | -0.29  | -0.34  | 0.13   |
|      | 4      | 258690 | 0.56  | 0.34  | -0.11  | -0.31  | 0.34   | 0.07   |
|      | 5      | 258702 | 0.87  | 0.34  | -0.28  | 0.34   | -0.19  | 0.07   |
|      | 18     | 258662 | 0.69  | 0.46  | -0.23  | -0.35  | 0.46   | 0.07   |
|      | 20     | 258659 | 0.50  | 0.37  | 0.37   | -0.31  | -0.10  | 0.07   |
|      | 23     | 258673 | 0.82  | 0.20  | -0.14  | -0.14  | 0.20   | 0.07   |
|      | 25     | 258701 | 0.70  | 0.35  | -0.24  | 0.35   | -0.23  | 0.07   |
|      | 26     | 258628 | 0.90  | 0.40  | 0.40   | -0.25  | -0.29  | 0.07   |
|      | 27     | 258685 | 0.57  | 0.42  | 0.42   | -0.08  | -0.38  | 0.20   |
|      | 30     | 261611 | 0.43  | 0.46  | -0.28  | -0.22  | 0.46   | 0.07   |
|      | 31     | 258615 | 0.64  | 0.31  | -0.16  | 0.31   | -0.22  | 0.07   |
|      | 32     | 258683 | 0.92  | 0.35  | -0.26  | 0.35   | -0.22  | 0.07   |
|      | 33     | 258641 | 0.72  | 0.48  | -0.35  | 0.48   | -0.24  | 0.13   |
|      | 34     | 258676 | 0.74  | 0.32  | -0.19  | 0.32   | -0.22  | 0.20   |
|      | 35     | 258607 | 0.80  | 0.31  | -0.10  | 0.31   | -0.27  | 0.20   |
|      | 36     | 258645 | 0.88  | 0.44  | -0.26  | -0.33  | 0.44   | 0.20   |
|      | 37     | 258666 | 0.71  | 0.24  | -0.20  | 0.24   | -0.10  | 0.13   |
|      | 38     | 258675 | 0.78  | 0.44  | -0.21  | 0.44   | -0.35  | 0.13   |
|      | 39     | 261609 | 0.59  | 0.09  | -0.03  | -0.21  | 0.09   | 0.20   |
|      | 40     | 258665 | 0.48  | 0.40  | 0.40   | -0.17  | -0.29  | 0.26   |
|      | 41     | 258682 | 0.69  | 0.29  | -0.15  | 0.29   | -0.21  | 0.13   |
|      | 42     | 258648 | 0.85  | 0.43  | -0.21  | 0.43   | -0.35  | 0.20   |
|      | 53     | 258614 | 0.75  | 0.48  | -0.27  | -0.34  | 0.48   | 0.33   |
|      | 54     | 258680 | 0.75  | 0.39  | -0.25  | -0.25  | 0.39   | 0.26   |
|      | 55     | 258681 | 0.52  | 0.33  | -0.10  | -0.26  | 0.33   | 0.33   |
|      | 56     | 258642 | 0.71  | 0.36  | -0.10  | 0.36   | -0.38  | 0.20   |
|      | 58     | 261623 | 0.82  | 0.28  | -0.20  | -0.21  | 0.28   | 0.33   |
|      | 59     | 258649 | 0.51  | 0.46  | 0.46   | -0.31  | -0.32  | 0.20   |
|      | 61     | 258687 | 0.75  | 0.41  | -0.20  | 0.41   | -0.31  | 0.20   |
|      | 62     | 258646 | 0.67  | 0.46  | 0.46   | -0.17  | -0.38  | 0.20   |
|      | 63     | 261626 | 0.87  | 0.26  | -0.14  | -0.20  | 0.26   | 0.26   |
|      | 64     | 258707 | 0.78  | 0.44  | 0.44   | -0.33  | -0.23  | 0.26   |
|      | 66     | 258643 | 0.70  | 0.27  | 0.27   | -0.20  | -0.17  | 0.46   |
|      | 67     | 258698 | 0.54  | 0.37  | -0.25  | -0.20  | 0.37   | 0.46   |
|      | 68     | 258728 | 0.54  | 0.39  | -0.16  | -0.32  | 0.39   | 0.41   |
|      | 69     | 258734 | 0.74  | 0.42  | -0.24  | -0.27  | 0.42   | 0.48   |
|      | 70     | 258735 | 0.74  | 0.35  | -0.20  | 0.35   | -0.22  | 0.48   |
|      | 71     | 258704 | 0.83  | 0.43  | -0.31  | 0.43   | -0.23  | 0.53   |
|      | 72     | 258624 | 0.76  | 0.42  | 0.42   | -0.38  | -0.17  | 0.53   |
|      | 73     | 258697 | 0.60  | 0.25  | 0.25   | -0.19  | -0.07  | 0.45   |
|      | 74     | 258616 | 0.33  | 0.29  | -0.22  | 0.29   | -0.07  | 0.57   |

Table A8. Biology Operational Items: May08 - Linking - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 83     | 258617 | 0.50  | 0.16  | 0.16   | -0.14  | -0.05  | 0.46   |
| 108  | 84     | 258688 | 0.71  | 0.52  | -0.37  | -0.26  | 0.52   | 0.59   |
|      | 85     | 258669 | 0.83  | 0.40  | -0.21  | -0.29  | 0.40   | 0.53   |
|      | 86     | 261621 | 0.89  | 0.39  | 0.39   | -0.23  | -0.26  | 0.46   |
|      | 88     | 261619 | 0.74  | 0.23  | -0.14  | 0.23   | -0.13  | 0.53   |
|      | 91     | 258692 | 0.66  | 0.37  | -0.19  | -0.26  | 0.37   | 0.53   |
|      | 93     | 258635 | 0.84  | 0.46  | -0.27  | -0.31  | 0.46   | 0.46   |
|      | 94     | 261616 | 0.77  | 0.50  | -0.37  | -0.27  | 0.50   | 0.53   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A9. Biology Operational Items: May08 - Linking - Form 208

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 208  | 1      | 258627 | 0.92  | 0.28  | -0.23  | 0.28   | -0.15  | 0.00   |
|      | 2      | 258733 | 0.49  | 0.16  | 0.16   | -0.07  | -0.16  | 0.00   |
|      | 4      | 258684 | 0.51  | 0.13  | -0.11  | -0.03  | 0.13   | 0.00   |
|      | 5      | 258644 | 0.69  | 0.37  | 0.37   | -0.27  | -0.20  | 0.00   |
|      | 7      | 258634 | 0.68  | 0.34  | -0.24  | 0.34   | -0.19  | 0.00   |
|      | 8      | 261645 | 0.54  | 0.32  | -0.23  | -0.14  | 0.32   | 0.25   |
|      | 9      | 258619 | 0.64  | 0.41  | 0.41   | -0.27  | -0.21  | 0.37   |
|      | 18     | 258700 | 0.89  | 0.42  | -0.15  | -0.36  | 0.42   | 0.25   |
|      | 19     | 258618 | 0.64  | 0.43  | -0.20  | -0.31  | 0.43   | 0.37   |
|      | 21     | 261627 | 0.86  | 0.27  | -0.19  | 0.27   | -0.14  | 0.19   |
|      | 22     | 258639 | 0.59  | 0.29  | 0.29   | -0.17  | -0.17  | 0.19   |
|      | 24     | 258732 | 0.66  | 0.24  | 0.24   | -0.11  | -0.19  | 0.19   |
|      | 25     | 258727 | 0.77  | 0.31  | -0.19  | 0.31   | -0.20  | 0.25   |
|      | 26     | 258622 | 0.79  | 0.41  | 0.41   | -0.31  | -0.22  | 0.19   |
|      | 27     | 258695 | 0.63  | 0.39  | -0.11  | 0.39   | -0.34  | 0.19   |
|      | 28     | 258631 | 0.90  | 0.30  | 0.30   | -0.16  | -0.23  | 0.19   |
|      | 32     | 258699 | 0.23  | 0.19  | -0.27  | 0.19   | 0.01   | 0.19   |
|      | 33     | 261607 | 0.80  | 0.32  | -0.19  | 0.32   | -0.21  | 0.31   |
|      | 34     | 261624 | 0.77  | 0.42  | -0.27  | -0.25  | 0.42   | 0.31   |
|      | 35     | 258612 | 0.84  | 0.39  | -0.20  | 0.39   | -0.29  | 0.31   |
|      | 36     | 261610 | 0.80  | 0.47  | -0.26  | -0.32  | 0.47   | 0.49   |
|      | 37     | 258714 | 0.68  | 0.50  | 0.50   | -0.32  | -0.28  | 0.31   |
|      | 39     | 258725 | 0.89  | 0.37  | -0.16  | 0.37   | -0.29  | 0.37   |
|      | 40     | 258664 | 0.86  | 0.43  | -0.23  | 0.43   | -0.32  | 0.43   |
|      | 41     | 258638 | 0.44  | 0.36  | -0.20  | -0.23  | 0.36   | 0.31   |
|      | 55     | 258650 | 0.70  | 0.28  | -0.12  | -0.26  | 0.28   | 0.43   |
|      | 57     | 261614 | 0.89  | 0.38  | 0.38   | -0.21  | -0.25  | 0.37   |
|      | 58     | 261622 | 0.91  | 0.14  | -0.05  | 0.14   | -0.08  | 0.43   |
|      | 60     | 258705 | 0.60  | 0.50  | -0.24  | -0.34  | 0.50   | 0.37   |
|      | 62     | 258678 | 0.89  | 0.42  | -0.21  | 0.42   | -0.30  | 0.43   |
|      | 63     | 261642 | 0.64  | 0.35  | 0.35   | -0.28  | -0.12  | 0.37   |
|      | 64     | 258654 | 0.71  | 0.29  | -0.23  | -0.16  | 0.29   | 0.37   |
|      | 65     | 258670 | 0.48  | 0.27  | -0.10  | -0.19  | 0.27   | 0.37   |
|      | 66     | 258660 | 0.72  | 0.44  | -0.21  | -0.33  | 0.44   | 0.37   |
|      | 67     | 258637 | 0.85  | 0.47  | -0.34  | 0.47   | -0.25  | 0.37   |
|      | 71     | 258640 | 0.77  | 0.40  | -0.34  | 0.40   | -0.12  | 0.43   |
|      | 72     | 258674 | 0.68  | 0.39  | -0.22  | -0.25  | 0.39   | 0.43   |
|      | 73     | 258697 | 0.60  | 0.25  | 0.25   | -0.19  | -0.07  | 0.45   |
|      | 74     | 258616 | 0.33  | 0.29  | -0.22  | 0.29   | -0.07  | 0.57   |
|      | 83     | 258611 | 0.93  | 0.38  | -0.28  | 0.38   | -0.17  | 0.49   |
|      | 84     | 261640 | 0.73  | 0.53  | -0.26  | -0.38  | 0.53   | 0.49   |
|      | 86     | 261617 | 0.57  | 0.26  | 0.26   | -0.19  | -0.18  | 0.43   |

Table A9. Biology Operational Items: May08 - Linking - Form 208

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 87     | 258726 | 0.69  | 0.41  | 0.41   | -0.24  | -0.25  | 0.49   |
| 208  | 88     | 258730 | 0.75  | 0.54  | 0.54   | -0.36  | -0.31  | 0.49   |
|      | 90     | 258651 | 0.86  | 0.46  | 0.46   | -0.31  | -0.27  | 0.37   |
|      | 91     | 258657 | 0.46  | 0.43  | -0.11  | -0.33  | 0.43   | 0.49   |
|      | 92     | 258712 | 0.72  | 0.46  | -0.18  | -0.36  | 0.46   | 0.56   |
|      | 93     | 258731 | 0.62  | 0.45  | -0.18  | -0.36  | 0.45   | 0.37   |
|      | 94     | 261608 | 0.82  | 0.49  | -0.34  | -0.29  | 0.49   | 0.37   |
|      | 95     | 258693 | 0.69  | 0.41  | 0.41   | -0.32  | -0.16  | 0.37   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A10. Biology Operational Items: Summer08 - Form 308

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 308  | 1      | 258636 | 0.75  | 0.29  | -0.29  | 0.29   | -0.08  | 0.00   |
|      | 2      | 258653 | 0.37  | 0.34  | 0.34   | -0.03  | -0.33  | 0.00   |
|      | 4      | 258690 | 0.39  | 0.14  | 0.02   | -0.16  | 0.14   | 0.00   |
|      | 5      | 258702 | 0.58  | 0.33  | -0.33  | 0.33   | -0.05  | 0.00   |
|      | 10     | 258662 | 0.37  | 0.15  | -0.17  | 0.00   | 0.15   | 0.00   |
|      | 12     | 258659 | 0.19  | 0.08  | 0.08   | -0.12  | 0.07   | 0.00   |
|      | 15     | 258673 | 0.63  | 0.11  | 0.01   | -0.21  | 0.11   | 0.00   |
|      | 17     | 258701 | 0.40  | 0.26  | -0.15  | 0.26   | -0.13  | 0.00   |
|      | 18     | 258628 | 0.78  | -0.02 | -0.02  | 0.08   | -0.03  | 0.00   |
|      | 19     | 258685 | 0.30  | 0.34  | 0.34   | -0.26  | -0.15  | 0.00   |
|      | 22     | 261611 | 0.09  | 0.10  | -0.06  | 0.01   | 0.10   | 0.00   |
|      | 23     | 258615 | 0.54  | 0.16  | 0.02   | 0.16   | -0.20  | 0.00   |
|      | 24     | 258683 | 0.73  | 0.22  | -0.04  | 0.22   | -0.26  | 0.00   |
|      | 25     | 258641 | 0.61  | 0.31  | -0.28  | 0.31   | -0.09  | 0.00   |
|      | 26     | 258676 | 0.54  | 0.05  | 0.15   | 0.05   | -0.21  | 0.00   |
|      | 27     | 258607 | 0.55  | 0.10  | -0.08  | 0.10   | -0.07  | 0.00   |
|      | 28     | 258645 | 0.40  | 0.43  | -0.30  | -0.18  | 0.43   | 0.00   |
|      | 29     | 258666 | 0.42  | 0.20  | -0.14  | 0.20   | -0.08  | 0.00   |
|      | 30     | 258675 | 0.43  | 0.22  | -0.16  | 0.22   | -0.09  | 0.00   |
|      | 31     | 261609 | 0.60  | 0.28  | -0.18  | -0.20  | 0.28   | 0.00   |
|      | 32     | 258665 | 0.31  | 0.37  | 0.37   | -0.23  | -0.14  | 0.00   |
|      | 33     | 258682 | 0.46  | 0.07  | -0.12  | 0.07   | 0.05   | 0.00   |
|      | 34     | 258648 | 0.54  | 0.11  | -0.04  | 0.11   | -0.09  | 0.00   |
|      | 37     | 258614 | 0.49  | 0.43  | -0.22  | -0.27  | 0.43   | 0.00   |
|      | 38     | 258680 | 0.45  | 0.37  | -0.14  | -0.27  | 0.37   | 0.00   |
|      | 39     | 258681 | 0.42  | 0.12  | -0.02  | -0.11  | 0.12   | 0.00   |
|      | 40     | 258642 | 0.63  | 0.28  | -0.06  | 0.28   | -0.28  | 0.00   |
|      | 42     | 261623 | 0.55  | 0.33  | -0.09  | -0.34  | 0.33   | 0.00   |
|      | 43     | 258649 | 0.21  | 0.14  | 0.14   | -0.37  | 0.18   | 0.00   |
|      | 45     | 258687 | 0.57  | 0.42  | -0.23  | 0.42   | -0.29  | 0.00   |
|      | 46     | 258646 | 0.33  | 0.41  | 0.41   | -0.20  | -0.21  | 0.00   |
|      | 47     | 261626 | 0.64  | 0.23  | -0.33  | -0.02  | 0.23   | 0.00   |
|      | 48     | 258707 | 0.55  | 0.57  | 0.57   | -0.39  | -0.29  | 0.00   |
|      | 50     | 258643 | 0.51  | -0.03 | -0.03  | -0.02  | 0.15   | 0.00   |
|      | 51     | 258698 | 0.54  | 0.23  | -0.19  | -0.09  | 0.23   | 0.00   |
|      | 52     | 258728 | 0.30  | 0.35  | -0.01  | -0.32  | 0.35   | 0.00   |
|      | 53     | 258734 | 0.58  | 0.48  | -0.33  | -0.25  | 0.48   | 0.00   |
|      | 54     | 258735 | 0.52  | 0.35  | -0.15  | 0.35   | -0.21  | 1.45   |
|      | 55     | 258704 | 0.55  | 0.30  | -0.23  | 0.30   | -0.13  | 0.00   |
|      | 56     | 258624 | 0.45  | 0.31  | 0.31   | -0.21  | -0.13  | 0.00   |
|      | 57     | 258697 | 0.36  | 0.23  | 0.23   | -0.21  | -0.02  | 0.00   |
|      | 58     | 258616 | 0.22  | 0.02  | 0.10   | 0.02   | -0.11  | 0.00   |

Table A10. Biology Operational Items: Summer08 - Form 308

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 308  | 59     | 258617 | 0.42  | -0.01 | -0.01  | -0.21  | 0.21   | 0.00   |
|      | 60     | 258688 | 0.34  | 0.20  | -0.09  | -0.12  | 0.20   | 0.00   |
|      | 61     | 258669 | 0.57  | 0.23  | -0.21  | -0.09  | 0.23   | 0.00   |
|      | 62     | 261621 | 0.79  | 0.29  | 0.29   | -0.18  | -0.20  | 0.00   |
|      | 64     | 261619 | 0.67  | 0.25  | -0.20  | 0.25   | -0.10  | 0.00   |
|      | 67     | 258692 | 0.40  | 0.05  | 0.08   | -0.12  | 0.05   | 0.00   |
|      | 69     | 258635 | 0.49  | 0.45  | -0.31  | -0.24  | 0.45   | 1.49   |
|      | 70     | 261616 | 0.60  | 0.43  | -0.24  | -0.28  | 0.43   | 0.00   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation,  
 %Omits = percent of omitted responses.

Table A11. English Operational Items: May08 - Target - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 108  | 1      | 259429 | 0.54  | 0.22  | 0.22   | -0.14  | -0.13  | 0.00   |
|      | 3      | 259426 | 0.64  | 0.36  | 0.36   | -0.19  | -0.26  | 0.07   |
|      | 4      | 259349 | 0.65  | 0.33  | -0.23  | 0.33   | -0.19  | 0.07   |
|      | 5      | 259427 | 0.47  | 0.24  | -0.08  | 0.24   | -0.19  | 0.00   |
|      | 7      | 259323 | 0.38  | 0.26  | 0.26   | -0.16  | -0.12  | 0.04   |
|      | 9      | 259453 | 0.37  | 0.15  | 0.03   | -0.21  | 0.15   | 0.35   |
|      | 10     | 259382 | 0.62  | 0.27  | -0.21  | 0.27   | -0.12  | 0.14   |
|      | 11     | 259452 | 0.42  | 0.21  | -0.16  | 0.21   | -0.09  | 0.07   |
|      | 12     | 259465 | 0.39  | 0.16  | 0.16   | -0.16  | -0.02  | 0.28   |
|      | 19     | 259407 | 0.18  | -0.04 | -0.12  | -0.04  | 0.16   | 0.28   |
|      | 20     | 259335 | 0.36  | 0.14  | -0.15  | -0.02  | 0.14   | 0.44   |
|      | 21     | 259410 | 0.67  | 0.30  | -0.22  | 0.30   | -0.15  | 0.32   |
|      | 22     | 259413 | 0.52  | 0.24  | -0.11  | 0.24   | -0.20  | 0.28   |
|      | 23     | 259411 | 0.48  | 0.19  | -0.17  | -0.07  | 0.19   | 0.32   |
|      | 24     | 259414 | 0.38  | 0.16  | -0.06  | -0.09  | 0.16   | 0.36   |
|      | 26     | 259338 | 0.33  | 0.06  | 0.06   | 0.06   | -0.11  | 0.40   |
|      | 27     | 259339 | 0.63  | 0.34  | -0.21  | 0.34   | -0.22  | 0.28   |
|      | 29     | 259441 | 0.34  | 0.18  | 0.18   | -0.09  | -0.08  | 0.35   |
|      | 31     | 259362 | 0.58  | 0.44  | 0.44   | -0.29  | -0.24  | 0.35   |
|      | 32     | 259436 | 0.35  | 0.17  | 0.17   | -0.04  | -0.15  | 0.35   |
|      | 33     | 259432 | 0.63  | 0.28  | 0.28   | -0.21  | -0.12  | 0.28   |
|      | 34     | 259433 | 0.49  | 0.30  | 0.30   | -0.15  | -0.19  | 0.48   |
|      | 35     | 259354 | 0.41  | 0.25  | -0.16  | -0.09  | 0.25   | 0.48   |
|      | 42     | 259347 | 0.43  | 0.26  | 0.26   | -0.15  | -0.12  | 0.35   |
|      | 43     | 259424 | 0.64  | 0.36  | -0.18  | -0.24  | 0.36   | 0.35   |
|      | 44     | 259423 | 0.49  | 0.20  | -0.12  | -0.09  | 0.20   | 0.42   |
|      | 45     | 259425 | 0.48  | 0.22  | -0.16  | 0.22   | -0.07  | 0.69   |
|      | 46     | 259422 | 0.41  | 0.25  | -0.10  | 0.25   | -0.16  | 0.69   |
|      | 47     | 259445 | 0.59  | 0.35  | -0.27  | 0.35   | -0.13  | 0.48   |
|      | 48     | 259374 | 0.38  | 0.27  | -0.08  | -0.23  | 0.27   | 0.55   |
|      | 49     | 259450 | 0.39  | 0.32  | -0.20  | -0.12  | 0.32   | 0.48   |
|      | 50     | 259376 | 0.58  | 0.41  | -0.20  | -0.28  | 0.41   | 0.55   |
|      | 52     | 259310 | 0.57  | 0.29  | -0.15  | 0.29   | -0.17  | 0.55   |
|      | 53     | 259365 | 0.56  | 0.33  | -0.12  | 0.33   | -0.24  | 0.76   |
|      | 54     | 259449 | 0.60  | 0.30  | 0.30   | -0.16  | -0.19  | 0.76   |
|      | 61     | 259443 | 0.55  | 0.28  | -0.18  | 0.28   | -0.12  | 0.76   |
|      | 63     | 259437 | 0.43  | 0.27  | 0.27   | -0.09  | -0.19  | 0.67   |
|      | 64     | 259360 | 0.48  | 0.32  | 0.32   | -0.24  | -0.08  | 0.76   |
|      | 65     | 259435 | 0.22  | 0.16  | -0.05  | -0.07  | 0.16   | 0.76   |
|      | 83     | 259457 | 0.36  | 0.24  | 0.24   | -0.19  | -0.02  | 1.11   |
|      | 84     | 259330 | 0.63  | 0.35  | -0.18  | 0.35   | -0.21  | 1.04   |
|      | 85     | 259458 | 0.34  | 0.13  | 0.13   | -0.14  | 0.05   | 1.11   |

Table A11. English Operational Items: May08 - Target - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 86     | 259466 | 0.51  | 0.41  | -0.21  | -0.25  | 0.41   | 1.04   |
| 108  | 87     | 259395 | 0.43  | 0.31  | -0.10  | 0.31   | -0.20  | 1.04   |
|      | 88     | 259459 | 0.45  | 0.28  | -0.12  | -0.17  | 0.28   | 1.25   |
|      | 89     | 259396 | 0.37  | 0.21  | -0.12  | -0.06  | 0.21   | 1.25   |
|      | 90     | 259460 | 0.59  | 0.37  | 0.37   | -0.27  | -0.14  | 1.11   |
|      | 91     | 259398 | 0.54  | 0.32  | -0.16  | 0.32   | -0.18  | 1.18   |
|      | 93     | 259444 | 0.57  | 0.25  | -0.13  | 0.25   | -0.13  | 0.99   |
|      | 94     | 259356 | 0.47  | 0.28  | -0.14  | -0.15  | 0.28   | 1.07   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A12. English Operational Items: May08 - Target - Form 208

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 208  | 1      | 259343 | 0.63  | 0.29  | -0.22  | -0.14  | 0.29   | 0.00   |
|      | 2      | 259415 | 0.62  | 0.25  | 0.25   | -0.27  | -0.07  | 0.18   |
|      | 4      | 259417 | 0.48  | 0.17  | 0.17   | -0.15  | -0.03  | 0.00   |
|      | 5      | 259416 | 0.76  | 0.29  | -0.12  | 0.29   | -0.24  | 0.18   |
|      | 8      | 259312 | 0.64  | 0.39  | 0.39   | -0.29  | -0.20  | 0.00   |
|      | 9      | 259368 | 0.35  | 0.21  | 0.21   | -0.17  | -0.06  | 0.00   |
|      | 10     | 259371 | 0.71  | 0.39  | -0.25  | -0.26  | 0.39   | 0.09   |
|      | 11     | 259367 | 0.72  | 0.29  | -0.19  | 0.29   | -0.20  | 0.09   |
|      | 12     | 259370 | 0.52  | 0.21  | -0.23  | 0.21   | -0.06  | 0.00   |
|      | 28     | 259318 | 0.53  | 0.35  | 0.35   | -0.22  | -0.18  | 0.09   |
|      | 30     | 259319 | 0.36  | 0.09  | 0.03   | -0.15  | 0.09   | 0.09   |
|      | 31     | 259320 | 0.65  | 0.32  | -0.18  | 0.32   | -0.21  | 0.28   |
|      | 33     | 259351 | 0.43  | 0.30  | -0.18  | 0.30   | -0.14  | 0.37   |
|      | 34     | 259430 | 0.71  | 0.24  | -0.22  | 0.24   | -0.05  | 0.37   |
|      | 35     | 259431 | 0.66  | 0.41  | 0.41   | -0.19  | -0.29  | 0.37   |
|      | 42     | 259419 | 0.62  | 0.22  | -0.10  | 0.22   | -0.15  | 0.37   |
|      | 44     | 259421 | 0.59  | 0.31  | 0.31   | -0.23  | -0.11  | 0.55   |
|      | 45     | 259463 | 0.35  | 0.23  | 0.23   | -0.19  | -0.03  | 0.74   |
|      | 46     | 259345 | 0.45  | 0.37  | -0.13  | -0.26  | 0.37   | 0.55   |
|      | 48     | 259325 | 0.57  | 0.36  | -0.20  | 0.36   | -0.20  | 0.65   |
|      | 49     | 259385 | 0.57  | 0.30  | -0.18  | -0.16  | 0.30   | 0.74   |
|      | 50     | 259390 | 0.60  | 0.35  | -0.14  | -0.25  | 0.35   | 0.65   |
|      | 51     | 259383 | 0.51  | 0.29  | -0.22  | 0.29   | -0.08  | 0.65   |
|      | 52     | 259386 | 0.41  | 0.32  | -0.17  | -0.14  | 0.32   | 0.46   |
|      | 53     | 259388 | 0.46  | 0.26  | 0.26   | -0.09  | -0.18  | 0.46   |
|      | 54     | 259389 | 0.40  | 0.24  | -0.14  | 0.24   | -0.09  | 0.46   |
|      | 61     | 259438 | 0.41  | 0.13  | -0.06  | 0.13   | -0.06  | 0.55   |
|      | 62     | 259439 | 0.44  | 0.25  | -0.22  | 0.25   | -0.06  | 0.46   |
|      | 63     | 259437 | 0.43  | 0.27  | 0.27   | -0.09  | -0.19  | 0.67   |
|      | 64     | 259358 | 0.55  | 0.38  | -0.15  | -0.26  | 0.38   | 0.83   |
|      | 65     | 259434 | 0.41  | 0.15  | -0.09  | 0.15   | -0.05  | 0.55   |
|      | 66     | 259332 | 0.60  | 0.14  | -0.09  | 0.14   | -0.05  | 0.71   |
|      | 67     | 259403 | 0.32  | 0.14  | 0.04   | -0.16  | 0.14   | 0.75   |
|      | 68     | 259401 | 0.42  | 0.21  | 0.21   | -0.09  | -0.11  | 0.87   |
|      | 69     | 259402 | 0.35  | 0.30  | -0.23  | -0.04  | 0.30   | 0.79   |
|      | 70     | 259399 | 0.68  | 0.35  | -0.17  | -0.23  | 0.35   | 0.75   |
|      | 71     | 259400 | 0.50  | 0.29  | -0.11  | -0.22  | 0.29   | 0.75   |
|      | 72     | 259404 | 0.60  | 0.23  | 0.23   | -0.15  | -0.10  | 0.75   |
|      | 73     | 259461 | 0.69  | 0.32  | -0.19  | -0.18  | 0.32   | 0.71   |
|      | 76     | 259446 | 0.52  | 0.34  | -0.16  | -0.20  | 0.34   | 0.79   |
|      | 77     | 259447 | 0.48  | 0.22  | -0.08  | 0.22   | -0.16  | 0.91   |
|      | 78     | 259448 | 0.53  | 0.26  | -0.13  | -0.13  | 0.26   | 0.87   |

Table A12. English Operational Items: May08 - Target - Form 208

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 85     | 259391 | 0.51  | 0.31  | -0.11  | 0.31   | -0.22  | 0.74   |
| 208  | 86     | 259454 | 0.31  | 0.16  | 0.16   | -0.11  | 0.00   | 0.74   |
|      | 87     | 259455 | 0.50  | 0.39  | -0.25  | -0.17  | 0.39   | 0.65   |
|      | 89     | 259392 | 0.44  | 0.37  | -0.13  | -0.23  | 0.37   | 0.65   |
|      | 90     | 259394 | 0.65  | 0.43  | 0.43   | -0.26  | -0.25  | 0.74   |
|      | 92     | 259393 | 0.48  | 0.45  | 0.45   | -0.23  | -0.24  | 0.74   |
|      | 93     | 259444 | 0.57  | 0.25  | -0.13  | 0.25   | -0.13  | 0.99   |
|      | 94     | 259356 | 0.47  | 0.28  | -0.14  | -0.15  | 0.28   | 1.07   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A13. English Operational Items: May08 - Linking - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 108  | 1      | 259429 | 0.81  | 0.39  | 0.39   | -0.21  | -0.31  | 0.00   |
|      | 3      | 259426 | 0.90  | 0.38  | 0.38   | -0.24  | -0.29  | 0.00   |
|      | 4      | 259349 | 0.91  | 0.34  | -0.25  | 0.34   | -0.22  | 0.11   |
|      | 5      | 259427 | 0.81  | 0.41  | -0.29  | 0.41   | -0.26  | 0.00   |
|      | 7      | 259323 | 0.74  | 0.37  | 0.37   | -0.29  | -0.20  | 0.00   |
|      | 9      | 259453 | 0.53  | 0.31  | -0.23  | -0.20  | 0.31   | 0.00   |
|      | 10     | 259382 | 0.87  | 0.40  | -0.28  | 0.40   | -0.26  | 0.00   |
|      | 11     | 259452 | 0.73  | 0.26  | -0.09  | 0.26   | -0.23  | 0.00   |
|      | 12     | 259465 | 0.59  | 0.32  | 0.32   | -0.20  | -0.20  | 0.00   |
|      | 19     | 259407 | 0.31  | 0.25  | -0.20  | 0.25   | -0.07  | 0.00   |
|      | 20     | 259335 | 0.50  | 0.27  | -0.14  | -0.21  | 0.27   | 0.05   |
|      | 21     | 259410 | 0.85  | 0.30  | -0.26  | 0.30   | -0.14  | 0.05   |
|      | 22     | 259413 | 0.62  | 0.34  | -0.27  | 0.34   | -0.22  | 0.00   |
|      | 23     | 259411 | 0.68  | 0.38  | -0.23  | -0.26  | 0.38   | 0.05   |
|      | 24     | 259414 | 0.55  | 0.24  | -0.13  | -0.17  | 0.24   | 0.05   |
|      | 26     | 259338 | 0.54  | 0.25  | 0.25   | -0.10  | -0.27  | 0.05   |
|      | 27     | 259339 | 0.90  | 0.38  | -0.30  | 0.38   | -0.23  | 0.00   |
|      | 29     | 259441 | 0.60  | 0.37  | 0.37   | -0.19  | -0.26  | 0.00   |
|      | 31     | 259362 | 0.87  | 0.47  | 0.47   | -0.40  | -0.23  | 0.00   |
|      | 32     | 259436 | 0.63  | 0.34  | 0.34   | -0.27  | -0.18  | 0.22   |
|      | 33     | 259432 | 0.85  | 0.28  | 0.28   | -0.14  | -0.23  | 0.11   |
|      | 34     | 259433 | 0.87  | 0.32  | 0.32   | -0.22  | -0.21  | 0.11   |
|      | 35     | 259354 | 0.62  | 0.38  | -0.19  | -0.26  | 0.38   | 0.22   |
|      | 42     | 259347 | 0.75  | 0.39  | 0.39   | -0.18  | -0.32  | 0.22   |
|      | 43     | 259424 | 0.86  | 0.35  | -0.22  | -0.25  | 0.35   | 0.11   |
|      | 44     | 259423 | 0.71  | 0.27  | -0.22  | -0.16  | 0.27   | 0.43   |
|      | 45     | 259425 | 0.66  | 0.35  | -0.29  | 0.35   | -0.16  | 0.32   |
|      | 46     | 259422 | 0.72  | 0.46  | -0.33  | 0.46   | -0.25  | 0.54   |
|      | 47     | 259445 | 0.86  | 0.40  | -0.34  | 0.40   | -0.19  | 0.11   |
|      | 48     | 259374 | 0.64  | 0.46  | -0.36  | -0.22  | 0.46   | 0.22   |
|      | 49     | 259450 | 0.75  | 0.49  | -0.29  | -0.35  | 0.49   | 0.11   |
|      | 50     | 259376 | 0.84  | 0.45  | -0.33  | -0.28  | 0.45   | 0.32   |
|      | 52     | 259310 | 0.86  | 0.44  | -0.29  | 0.44   | -0.30  | 0.54   |
|      | 53     | 259365 | 0.84  | 0.33  | -0.20  | 0.33   | -0.27  | 0.43   |
|      | 54     | 259449 | 0.83  | 0.30  | 0.30   | -0.23  | -0.21  | 0.32   |
|      | 61     | 259443 | 0.74  | 0.29  | -0.22  | 0.29   | -0.15  | 0.22   |
|      | 63     | 259437 | 0.75  | 0.41  | 0.41   | -0.25  | -0.29  | 0.21   |
|      | 64     | 259360 | 0.76  | 0.43  | 0.43   | -0.36  | -0.19  | 0.22   |
|      | 65     | 259435 | 0.45  | 0.44  | -0.36  | -0.12  | 0.44   | 0.11   |
|      | 83     | 259457 | 0.57  | 0.30  | 0.30   | -0.28  | -0.06  | 0.11   |
|      | 84     | 259330 | 0.82  | 0.44  | -0.31  | 0.44   | -0.26  | 0.32   |
|      | 85     | 259458 | 0.61  | 0.44  | 0.44   | -0.34  | -0.20  | 0.32   |

Table A13. English Operational Items: May08 - Linking - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 86     | 259466 | 0.81  | 0.53  | -0.23  | -0.45  | 0.53   | 0.11   |
| 108  | 87     | 259395 | 0.73  | 0.47  | -0.24  | 0.47   | -0.35  | 0.11   |
|      | 88     | 259459 | 0.69  | 0.39  | -0.27  | -0.22  | 0.39   | 0.22   |
|      | 89     | 259396 | 0.57  | 0.44  | -0.27  | -0.25  | 0.44   | 0.22   |
|      | 90     | 259460 | 0.83  | 0.37  | 0.37   | -0.29  | -0.20  | 0.22   |
|      | 91     | 259398 | 0.71  | 0.42  | -0.30  | 0.42   | -0.22  | 0.22   |
|      | 93     | 259444 | 0.79  | 0.35  | -0.21  | 0.35   | -0.24  | 0.26   |
|      | 94     | 259356 | 0.72  | 0.36  | -0.21  | -0.26  | 0.36   | 0.21   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A14. English Operational Items: May08 - Linking - Form 208

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 208  | 1      | 259343 | 0.88  | 0.30  | -0.27  | -0.13  | 0.30   | 0.00   |
|      | 2      | 259415 | 0.82  | 0.38  | 0.38   | -0.27  | -0.28  | 0.00   |
|      | 4      | 259417 | 0.67  | 0.31  | 0.31   | -0.27  | -0.11  | 0.00   |
|      | 5      | 259416 | 0.93  | 0.26  | -0.15  | 0.26   | -0.23  | 0.10   |
|      | 8      | 259312 | 0.89  | 0.38  | 0.38   | -0.28  | -0.25  | 0.10   |
|      | 9      | 259368 | 0.63  | 0.34  | 0.34   | -0.24  | -0.20  | 0.00   |
|      | 10     | 259371 | 0.93  | 0.31  | -0.18  | -0.25  | 0.31   | 0.00   |
|      | 11     | 259367 | 0.88  | 0.29  | -0.21  | 0.29   | -0.22  | 0.00   |
|      | 12     | 259370 | 0.73  | 0.32  | -0.23  | 0.32   | -0.24  | 0.00   |
|      | 28     | 259318 | 0.80  | 0.37  | 0.37   | -0.34  | -0.13  | 0.00   |
|      | 30     | 259319 | 0.43  | 0.25  | -0.16  | -0.17  | 0.25   | 0.00   |
|      | 31     | 259320 | 0.88  | 0.29  | -0.16  | 0.29   | -0.23  | 0.10   |
|      | 33     | 259351 | 0.71  | 0.36  | -0.11  | 0.36   | -0.31  | 0.20   |
|      | 34     | 259430 | 0.86  | 0.24  | -0.17  | 0.24   | -0.14  | 0.20   |
|      | 35     | 259431 | 0.91  | 0.36  | 0.36   | -0.20  | -0.27  | 0.20   |
|      | 42     | 259419 | 0.80  | 0.34  | -0.18  | 0.34   | -0.27  | 0.20   |
|      | 44     | 259421 | 0.81  | 0.31  | 0.31   | -0.21  | -0.17  | 0.49   |
|      | 45     | 259463 | 0.69  | 0.44  | 0.44   | -0.22  | -0.32  | 0.39   |
|      | 46     | 259345 | 0.80  | 0.47  | -0.31  | -0.29  | 0.47   | 0.29   |
|      | 48     | 259325 | 0.81  | 0.50  | -0.35  | 0.50   | -0.30  | 0.29   |
|      | 49     | 259385 | 0.76  | 0.45  | -0.20  | -0.36  | 0.45   | 0.29   |
|      | 50     | 259390 | 0.86  | 0.36  | -0.21  | -0.25  | 0.36   | 0.20   |
|      | 51     | 259383 | 0.70  | 0.39  | -0.31  | 0.39   | -0.16  | 0.29   |
|      | 52     | 259386 | 0.70  | 0.50  | -0.33  | -0.29  | 0.50   | 0.20   |
|      | 53     | 259388 | 0.69  | 0.30  | 0.30   | -0.08  | -0.31  | 0.20   |
|      | 54     | 259389 | 0.78  | 0.45  | -0.32  | 0.45   | -0.25  | 0.20   |
|      | 61     | 259438 | 0.67  | 0.32  | -0.13  | 0.32   | -0.25  | 0.29   |
|      | 62     | 259439 | 0.58  | 0.26  | -0.21  | 0.26   | -0.13  | 0.20   |
|      | 63     | 259437 | 0.43  | 0.27  | 0.27   | -0.09  | -0.19  | 0.67   |
|      | 64     | 259358 | 0.80  | 0.46  | -0.25  | -0.33  | 0.46   | 0.29   |
|      | 65     | 259434 | 0.71  | 0.37  | -0.32  | 0.37   | -0.11  | 0.29   |
|      | 66     | 259332 | 0.69  | 0.24  | -0.20  | 0.24   | -0.09  | 0.21   |
|      | 67     | 259403 | 0.46  | 0.26  | -0.14  | -0.15  | 0.26   | 0.15   |
|      | 68     | 259401 | 0.61  | 0.23  | 0.23   | -0.08  | -0.22  | 0.26   |
|      | 69     | 259402 | 0.71  | 0.46  | -0.38  | -0.21  | 0.46   | 0.15   |
|      | 70     | 259399 | 0.87  | 0.36  | -0.20  | -0.27  | 0.36   | 0.21   |
|      | 71     | 259400 | 0.80  | 0.44  | -0.33  | -0.26  | 0.44   | 0.31   |
|      | 72     | 259404 | 0.77  | 0.25  | 0.25   | -0.09  | -0.23  | 0.31   |
|      | 73     | 259461 | 0.91  | 0.37  | -0.25  | -0.24  | 0.37   | 0.15   |
|      | 76     | 259446 | 0.84  | 0.39  | -0.26  | -0.25  | 0.39   | 0.26   |
|      | 77     | 259447 | 0.70  | 0.28  | -0.21  | 0.28   | -0.12  | 0.31   |
|      | 78     | 259448 | 0.80  | 0.43  | -0.27  | -0.29  | 0.43   | 0.21   |

Table A14. English Operational Items: May08 - Linking - Form 208

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 85     | 259391 | 0.71  | 0.41  | -0.26  | 0.41   | -0.26  | 0.39   |
| 208  | 86     | 259454 | 0.59  | 0.26  | 0.26   | -0.19  | -0.10  | 0.39   |
|      | 87     | 259455 | 0.76  | 0.44  | -0.28  | -0.27  | 0.44   | 0.29   |
|      | 89     | 259392 | 0.70  | 0.48  | -0.29  | -0.31  | 0.48   | 0.29   |
|      | 90     | 259394 | 0.90  | 0.50  | 0.50   | -0.40  | -0.23  | 0.29   |
|      | 92     | 259393 | 0.84  | 0.52  | 0.52   | -0.30  | -0.37  | 0.39   |
|      | 93     | 259444 | 0.57  | 0.25  | -0.13  | 0.25   | -0.13  | 0.99   |
|      | 94     | 259356 | 0.47  | 0.28  | -0.14  | -0.15  | 0.28   | 1.07   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A15. English Operational Items: Summer08 - Form 308

| Form | Pos No | ItemID | P Val | R ITT | P BIS1 | P BIS2 | P BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 308  | 1      | 259429 | 0.48  | 0.13  | 0.13   | -0.02  | -0.14  | 0.00   |
|      | 3      | 259426 | 0.71  | 0.18  | 0.18   | -0.05  | -0.19  | 0.00   |
|      | 4      | 259349 | 0.64  | 0.17  | 0.04   | 0.17   | -0.27  | 0.00   |
|      | 5      | 259427 | 0.49  | 0.41  | -0.30  | 0.41   | -0.17  | 0.00   |
|      | 7      | 259323 | 0.41  | 0.25  | 0.25   | -0.12  | -0.15  | 0.00   |
|      | 9      | 259453 | 0.39  | 0.00  | 0.05   | -0.07  | 0.00   | 0.00   |
|      | 10     | 259382 | 0.61  | 0.28  | -0.07  | 0.28   | -0.27  | 0.00   |
|      | 11     | 259452 | 0.47  | 0.27  | -0.08  | 0.27   | -0.22  | 0.00   |
|      | 12     | 259465 | 0.39  | 0.10  | 0.10   | -0.14  | 0.03   | 0.00   |
|      | 13     | 259407 | 0.14  | 0.03  | -0.16  | 0.03   | 0.13   | 0.00   |
|      | 14     | 259335 | 0.33  | 0.03  | -0.14  | 0.06   | 0.03   | 0.00   |
|      | 15     | 259410 | 0.68  | 0.24  | -0.08  | 0.24   | -0.24  | 1.27   |
|      | 16     | 259413 | 0.61  | 0.09  | -0.08  | 0.09   | -0.06  | 0.00   |
|      | 17     | 259411 | 0.51  | 0.43  | 0.06   | -0.46  | 0.43   | 0.00   |
|      | 18     | 259414 | 0.37  | 0.14  | -0.16  | -0.01  | 0.14   | 0.00   |
|      | 20     | 259338 | 0.46  | 0.21  | 0.21   | -0.01  | -0.22  | 0.00   |
|      | 21     | 259339 | 0.57  | 0.26  | -0.10  | 0.26   | -0.27  | 0.00   |
|      | 23     | 259441 | 0.21  | 0.29  | 0.29   | -0.20  | -0.05  | 0.00   |
|      | 25     | 259362 | 0.56  | 0.43  | 0.43   | -0.18  | -0.32  | 0.00   |
|      | 26     | 259436 | 0.25  | 0.33  | 0.33   | -0.17  | -0.16  | 0.00   |
|      | 27     | 259432 | 0.58  | 0.28  | 0.28   | -0.19  | -0.15  | 0.00   |
|      | 28     | 259433 | 0.42  | 0.42  | 0.42   | -0.31  | -0.17  | 0.00   |
|      | 29     | 259354 | 0.27  | 0.19  | -0.17  | -0.01  | 0.19   | 0.00   |
|      | 30     | 259347 | 0.38  | 0.19  | 0.19   | -0.15  | -0.07  | 0.00   |
|      | 31     | 259424 | 0.61  | 0.36  | -0.21  | -0.26  | 0.36   | 0.00   |
|      | 32     | 259423 | 0.47  | 0.34  | -0.04  | -0.32  | 0.34   | 0.00   |
|      | 33     | 259425 | 0.56  | 0.17  | -0.15  | 0.17   | -0.05  | 0.00   |
|      | 34     | 259422 | 0.39  | 0.16  | -0.16  | 0.16   | -0.02  | 0.00   |
|      | 35     | 259445 | 0.58  | 0.29  | -0.15  | 0.29   | -0.21  | 0.00   |
|      | 36     | 259374 | 0.31  | 0.17  | -0.03  | -0.17  | 0.17   | 0.00   |
|      | 37     | 259450 | 0.36  | 0.37  | -0.35  | -0.01  | 0.37   | 0.00   |
|      | 38     | 259376 | 0.55  | 0.27  | -0.13  | -0.31  | 0.27   | 0.00   |
|      | 40     | 259310 | 0.57  | 0.38  | -0.18  | 0.38   | -0.28  | 0.00   |
|      | 41     | 259365 | 0.55  | 0.43  | -0.16  | 0.43   | -0.36  | 0.00   |
|      | 42     | 259449 | 0.65  | 0.42  | 0.42   | -0.22  | -0.32  | 0.00   |
|      | 43     | 259443 | 0.52  | 0.36  | -0.21  | 0.36   | -0.22  | 0.00   |
|      | 45     | 259437 | 0.41  | 0.36  | 0.36   | 0.01   | -0.41  | 0.00   |
|      | 46     | 259360 | 0.43  | 0.43  | 0.43   | -0.15  | -0.32  | 0.00   |
|      | 47     | 259435 | 0.16  | 0.08  | 0.03   | -0.12  | 0.08   | 0.00   |
|      | 59     | 259457 | 0.42  | -0.15 | -0.15  | 0.08   | 0.09   | 0.00   |
|      | 60     | 259330 | 0.65  | 0.36  | -0.15  | 0.36   | -0.30  | 0.00   |
|      | 61     | 259458 | 0.39  | 0.27  | 0.27   | -0.34  | 0.05   | 0.00   |

Table A15. English Operational Items: Summer08 - Form 308

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 62     | 259466 | 0.60  | 0.36  | -0.37  | -0.14  | 0.36   | 0.00   |
| 308  | 63     | 259395 | 0.47  | 0.31  | 0.06   | 0.31   | -0.35  | 1.30   |
|      | 64     | 259459 | 0.43  | 0.15  | -0.02  | -0.16  | 0.15   | 0.00   |
|      | 65     | 259396 | 0.35  | 0.16  | -0.05  | -0.11  | 0.16   | 0.00   |
|      | 66     | 259460 | 0.60  | 0.42  | 0.42   | -0.20  | -0.32  | 0.00   |
|      | 67     | 259398 | 0.60  | 0.32  | -0.32  | 0.32   | -0.07  | 0.00   |
|      | 69     | 259444 | 0.66  | 0.10  | -0.08  | 0.10   | -0.05  | 0.00   |
|      | 70     | 259356 | 0.49  | 0.34  | -0.23  | -0.22  | 0.34   | 0.00   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A16. Government Operational Items: May08 - Target - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 108  | 2      | 258363 | 0.45  | 0.36  | -0.20  | -0.19  | 0.36   | 0.23   |
|      | 4      | 258500 | 0.29  | 0.25  | 0.25   | -0.07  | -0.17  | 0.31   |
|      | 5      | 258338 | 0.42  | 0.30  | -0.13  | 0.30   | -0.19  | 0.16   |
|      | 6      | 258327 | 0.48  | 0.27  | 0.27   | -0.09  | -0.25  | 0.23   |
|      | 11     | 258408 | 0.45  | 0.32  | 0.32   | -0.25  | -0.09  | 0.31   |
|      | 12     | 258355 | 0.49  | 0.23  | 0.23   | -0.16  | -0.09  | 0.23   |
|      | 20     | 258458 | 0.48  | 0.38  | 0.38   | -0.25  | -0.19  | 0.31   |
|      | 21     | 258505 | 0.45  | 0.21  | 0.21   | -0.09  | -0.15  | 0.31   |
|      | 22     | 258506 | 0.62  | 0.26  | -0.11  | -0.20  | 0.26   | 0.47   |
|      | 25     | 258349 | 0.55  | 0.33  | 0.33   | -0.24  | -0.14  | 0.39   |
|      | 26     | 258429 | 0.47  | 0.23  | -0.09  | -0.16  | 0.23   | 0.47   |
|      | 27     | 258353 | 0.37  | 0.14  | 0.07   | 0.14   | -0.22  | 0.31   |
|      | 28     | 258396 | 0.46  | 0.27  | 0.27   | -0.12  | -0.16  | 0.55   |
|      | 33     | 258410 | 0.47  | 0.30  | -0.13  | -0.19  | 0.30   | 0.63   |
|      | 35     | 258386 | 0.47  | 0.50  | 0.50   | -0.28  | -0.25  | 0.55   |
|      | 36     | 258350 | 0.36  | 0.27  | 0.27   | -0.09  | -0.16  | 0.63   |
|      | 37     | 258378 | 0.49  | 0.26  | -0.10  | -0.16  | 0.26   | 0.70   |
|      | 44     | 258503 | 0.38  | 0.28  | -0.14  | -0.11  | 0.28   | 0.63   |
|      | 45     | 258440 | 0.61  | 0.32  | -0.20  | 0.32   | -0.16  | 0.70   |
|      | 46     | 258400 | 0.51  | 0.33  | -0.25  | -0.11  | 0.33   | 0.78   |
|      | 47     | 258421 | 0.35  | 0.24  | 0.24   | -0.12  | -0.08  | 0.70   |
|      | 50     | 258446 | 0.39  | 0.23  | -0.19  | 0.23   | -0.03  | 0.70   |
|      | 51     | 258344 | 0.40  | 0.33  | 0.33   | -0.15  | -0.17  | 0.78   |
|      | 52     | 258432 | 0.47  | 0.20  | -0.13  | -0.05  | 0.20   | 0.86   |
|      | 53     | 258428 | 0.51  | 0.26  | -0.13  | -0.14  | 0.26   | 0.63   |
|      | 54     | 258360 | 0.43  | 0.22  | -0.07  | 0.22   | -0.13  | 0.78   |
|      | 55     | 258343 | 0.49  | 0.33  | -0.15  | 0.33   | -0.19  | 0.63   |
|      | 63     | 258438 | 0.55  | 0.34  | 0.34   | -0.14  | -0.24  | 0.70   |
|      | 64     | 258718 | 0.66  | 0.44  | 0.44   | -0.28  | -0.23  | 0.70   |
|      | 65     | 258424 | 0.36  | 0.17  | 0.03   | 0.17   | -0.17  | 0.94   |
|      | 66     | 258323 | 0.39  | 0.28  | -0.13  | 0.28   | -0.12  | 1.02   |
|      | 67     | 258324 | 0.65  | 0.48  | -0.25  | -0.30  | 0.48   | 1.49   |
|      | 68     | 258437 | 0.47  | 0.28  | -0.07  | -0.18  | 0.28   | 1.41   |
|      | 69     | 258319 | 0.38  | 0.15  | -0.07  | 0.15   | -0.03  | 1.49   |
|      | 72     | 258389 | 0.55  | 0.23  | -0.07  | 0.23   | -0.15  | 1.49   |
|      | 73     | 258379 | 0.55  | 0.21  | -0.05  | -0.14  | 0.21   | 1.57   |
|      | 75     | 258413 | 0.48  | 0.23  | -0.10  | 0.23   | -0.10  | 1.72   |
|      | 76     | 258448 | 0.48  | 0.36  | 0.36   | -0.21  | -0.15  | 1.64   |
|      | 77     | 258721 | 0.35  | 0.18  | 0.18   | -0.07  | -0.05  | 1.57   |
|      | 84     | 258439 | 0.46  | 0.27  | -0.17  | 0.27   | -0.09  | 1.72   |
|      | 85     | 258368 | 0.43  | 0.22  | 0.22   | -0.15  | -0.02  | 1.88   |
|      | 86     | 258320 | 0.42  | 0.30  | -0.03  | 0.30   | -0.24  | 1.72   |

Table A16. Government Operational Items: May08 - Target - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 87     | 258436 | 0.59  | 0.43  | 0.43   | -0.30  | -0.16  | 1.72   |
| 108  | 88     | 258384 | 0.63  | 0.39  | -0.21  | 0.39   | -0.21  | 1.80   |
|      | 89     | 258486 | 0.46  | 0.25  | -0.09  | 0.25   | -0.12  | 1.72   |
|      | 90     | 258411 | 0.32  | 0.20  | -0.11  | -0.03  | 0.20   | 1.88   |
|      | 92     | 258313 | 0.64  | 0.36  | -0.22  | 0.36   | -0.16  | 1.80   |
|      | 95     | 258716 | 0.50  | 0.34  | 0.34   | -0.12  | -0.22  | 1.72   |
|      | 96     | 258335 | 0.50  | 0.41  | -0.16  | -0.25  | 0.41   | 1.80   |
|      | 99     | 258377 | 0.60  | 0.36  | 0.36   | -0.19  | -0.19  | 1.96   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A17. Government Operational Items: May08 - Target - Form 208

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 208  | 1      | 258401 | 0.58  | 0.37  | -0.23  | -0.21  | 0.37   | 0.10   |
|      | 2      | 258459 | 0.75  | 0.24  | -0.20  | 0.24   | -0.13  | 0.00   |
|      | 3      | 258402 | 0.47  | 0.30  | -0.23  | -0.13  | 0.30   | 0.00   |
|      | 4      | 258406 | 0.66  | 0.35  | -0.25  | 0.35   | -0.20  | 0.00   |
|      | 6      | 258347 | 0.43  | 0.28  | 0.28   | -0.22  | -0.13  | 0.00   |
|      | 10     | 258328 | 0.62  | 0.38  | 0.38   | -0.31  | -0.17  | 0.10   |
|      | 11     | 258422 | 0.47  | 0.27  | -0.12  | -0.18  | 0.27   | 0.00   |
|      | 13     | 258357 | 0.34  | 0.35  | -0.19  | 0.35   | -0.17  | 0.00   |
|      | 21     | 258452 | 0.39  | 0.33  | 0.33   | -0.20  | -0.17  | 0.10   |
|      | 22     | 258330 | 0.52  | 0.33  | 0.33   | -0.22  | -0.16  | 0.20   |
|      | 26     | 258454 | 0.40  | 0.33  | -0.19  | -0.18  | 0.33   | 0.10   |
|      | 27     | 258364 | 0.71  | 0.36  | -0.18  | 0.36   | -0.28  | 0.10   |
|      | 28     | 258361 | 0.54  | 0.33  | 0.33   | -0.26  | -0.12  | 0.10   |
|      | 29     | 258336 | 0.42  | 0.22  | -0.07  | -0.16  | 0.22   | 0.10   |
|      | 32     | 258376 | 0.44  | 0.33  | 0.33   | -0.24  | -0.12  | 0.20   |
|      | 33     | 258419 | 0.28  | 0.14  | -0.07  | 0.14   | -0.06  | 0.30   |
|      | 34     | 258425 | 0.57  | 0.17  | -0.15  | 0.17   | -0.02  | 0.30   |
|      | 35     | 258715 | 0.79  | 0.26  | -0.19  | 0.26   | -0.12  | 0.30   |
|      | 36     | 258473 | 0.51  | 0.26  | -0.15  | -0.14  | 0.26   | 0.30   |
|      | 44     | 258478 | 0.30  | 0.09  | 0.04   | 0.09   | -0.11  | 0.30   |
|      | 45     | 258501 | 0.52  | 0.28  | -0.18  | -0.14  | 0.28   | 0.30   |
|      | 46     | 258450 | 0.55  | 0.36  | 0.36   | -0.23  | -0.18  | 0.30   |
|      | 47     | 258498 | 0.49  | 0.37  | 0.37   | -0.20  | -0.21  | 0.30   |
|      | 49     | 258388 | 0.31  | 0.17  | -0.09  | 0.17   | -0.06  | 0.30   |
|      | 50     | 258351 | 0.34  | 0.33  | 0.33   | -0.35  | 0.03   | 0.30   |
|      | 51     | 258488 | 0.68  | 0.34  | 0.34   | -0.22  | -0.18  | 0.30   |
|      | 52     | 258479 | 0.53  | 0.38  | -0.18  | 0.38   | -0.26  | 0.30   |
|      | 53     | 258375 | 0.53  | 0.40  | 0.40   | -0.25  | -0.19  | 0.51   |
|      | 54     | 258414 | 0.45  | 0.28  | -0.09  | 0.28   | -0.21  | 0.30   |
|      | 55     | 258495 | 0.30  | 0.20  | 0.20   | -0.07  | -0.10  | 0.30   |
|      | 56     | 258321 | 0.54  | 0.31  | 0.31   | -0.15  | -0.18  | 0.40   |
|      | 63     | 258426 | 0.27  | 0.26  | 0.26   | -0.14  | -0.09  | 0.40   |
|      | 64     | 258722 | 0.49  | 0.22  | -0.12  | 0.22   | -0.11  | 0.40   |
|      | 65     | 258407 | 0.30  | 0.05  | 0.05   | 0.08   | -0.13  | 0.51   |
|      | 66     | 258412 | 0.57  | 0.39  | 0.39   | -0.16  | -0.28  | 1.01   |
|      | 67     | 258369 | 0.48  | 0.36  | -0.20  | -0.19  | 0.36   | 0.51   |
|      | 68     | 258483 | 0.49  | 0.36  | 0.36   | -0.25  | -0.17  | 0.40   |
|      | 69     | 258719 | 0.64  | 0.39  | 0.39   | -0.22  | -0.24  | 0.40   |
|      | 71     | 258345 | 0.23  | 0.14  | -0.02  | 0.14   | -0.09  | 0.51   |
|      | 72     | 258390 | 0.63  | 0.29  | -0.19  | 0.29   | -0.14  | 0.61   |
|      | 75     | 258329 | 0.33  | 0.23  | 0.23   | -0.01  | -0.22  | 0.61   |
|      | 76     | 258409 | 0.60  | 0.13  | -0.04  | 0.13   | -0.08  | 0.61   |

Table A17. Government Operational Items: May08 - Target - Form 208

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 77     | 258434 | 0.36  | 0.20  | 0.04   | -0.20  | 0.20   | 0.61   |
| 208  | 84     | 258391 | 0.58  | 0.37  | 0.37   | -0.22  | -0.20  | 0.71   |
|      | 86     | 258316 | 0.46  | 0.14  | -0.05  | 0.14   | -0.08  | 0.61   |
|      | 87     | 258404 | 0.48  | 0.38  | 0.38   | -0.22  | -0.18  | 0.61   |
|      | 91     | 258468 | 0.53  | 0.37  | 0.37   | -0.28  | -0.13  | 0.61   |
|      | 92     | 258491 | 0.34  | 0.21  | -0.01  | 0.21   | -0.18  | 0.61   |
|      | 95     | 258341 | 0.57  | 0.36  | 0.36   | -0.21  | -0.21  | 0.61   |
|      | 96     | 258502 | 0.31  | 0.27  | 0.27   | -0.14  | -0.10  | 0.61   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A18. Government Operational Items: May08 - Linking - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 108  | 2      | 258363 | 0.79  | 0.45  | -0.31  | -0.29  | 0.45   | 0.00   |
|      | 4      | 258500 | 0.62  | 0.41  | 0.41   | -0.29  | -0.25  | 0.00   |
|      | 5      | 258338 | 0.77  | 0.41  | -0.29  | 0.41   | -0.27  | 0.09   |
|      | 6      | 258327 | 0.58  | 0.13  | 0.13   | -0.08  | -0.12  | 0.09   |
|      | 11     | 258408 | 0.80  | 0.45  | 0.45   | -0.32  | -0.27  | 0.09   |
|      | 12     | 258355 | 0.72  | 0.33  | 0.33   | -0.28  | -0.14  | 0.09   |
|      | 20     | 258458 | 0.77  | 0.44  | 0.44   | -0.16  | -0.39  | 0.09   |
|      | 21     | 258505 | 0.68  | 0.34  | 0.34   | -0.24  | -0.21  | 0.09   |
|      | 22     | 258506 | 0.79  | 0.21  | -0.11  | -0.20  | 0.21   | 0.18   |
|      | 25     | 258349 | 0.79  | 0.36  | 0.36   | -0.22  | -0.24  | 0.18   |
|      | 26     | 258429 | 0.74  | 0.40  | -0.28  | -0.24  | 0.40   | 0.09   |
|      | 27     | 258353 | 0.53  | 0.32  | -0.23  | 0.32   | -0.17  | 0.09   |
|      | 28     | 258396 | 0.70  | 0.46  | 0.46   | -0.33  | -0.25  | 0.09   |
|      | 33     | 258410 | 0.76  | 0.44  | -0.29  | -0.28  | 0.44   | 0.09   |
|      | 35     | 258386 | 0.91  | 0.47  | 0.47   | -0.32  | -0.30  | 0.26   |
|      | 36     | 258350 | 0.74  | 0.35  | 0.35   | -0.25  | -0.18  | 0.18   |
|      | 37     | 258378 | 0.77  | 0.47  | -0.30  | -0.30  | 0.47   | 0.18   |
|      | 44     | 258503 | 0.71  | 0.43  | -0.21  | -0.32  | 0.43   | 0.26   |
|      | 45     | 258440 | 0.83  | 0.36  | -0.22  | 0.36   | -0.23  | 0.44   |
|      | 46     | 258400 | 0.72  | 0.36  | -0.24  | -0.24  | 0.36   | 0.26   |
|      | 47     | 258421 | 0.65  | 0.51  | 0.51   | -0.38  | -0.22  | 0.26   |
|      | 50     | 258446 | 0.66  | 0.52  | -0.33  | 0.52   | -0.31  | 0.26   |
|      | 51     | 258344 | 0.69  | 0.54  | 0.54   | -0.38  | -0.30  | 0.35   |
|      | 52     | 258432 | 0.66  | 0.43  | -0.32  | -0.19  | 0.43   | 0.35   |
|      | 53     | 258428 | 0.76  | 0.37  | -0.17  | -0.26  | 0.37   | 0.44   |
|      | 54     | 258360 | 0.69  | 0.40  | -0.23  | 0.40   | -0.25  | 0.53   |
|      | 55     | 258343 | 0.81  | 0.46  | -0.28  | 0.46   | -0.31  | 0.35   |
|      | 63     | 258438 | 0.84  | 0.39  | 0.39   | -0.28  | -0.20  | 0.35   |
|      | 64     | 258718 | 0.94  | 0.43  | 0.43   | -0.26  | -0.28  | 0.35   |
|      | 65     | 258424 | 0.58  | 0.50  | -0.31  | 0.50   | -0.28  | 0.35   |
|      | 66     | 258323 | 0.68  | 0.50  | -0.24  | 0.50   | -0.36  | 0.53   |
|      | 67     | 258324 | 0.94  | 0.41  | -0.28  | -0.23  | 0.41   | 0.35   |
|      | 68     | 258437 | 0.78  | 0.47  | -0.26  | -0.33  | 0.47   | 0.35   |
|      | 69     | 258319 | 0.58  | 0.51  | -0.27  | 0.51   | -0.33  | 0.35   |
|      | 72     | 258389 | 0.80  | 0.37  | -0.22  | 0.37   | -0.26  | 0.35   |
|      | 73     | 258379 | 0.70  | 0.33  | -0.14  | -0.30  | 0.33   | 0.35   |
|      | 75     | 258413 | 0.67  | 0.37  | -0.19  | 0.37   | -0.25  | 0.35   |
|      | 76     | 258448 | 0.80  | 0.55  | 0.55   | -0.42  | -0.26  | 0.35   |
|      | 77     | 258721 | 0.52  | 0.35  | 0.35   | -0.18  | -0.21  | 0.35   |
|      | 84     | 258439 | 0.72  | 0.42  | -0.23  | 0.42   | -0.30  | 0.35   |
|      | 85     | 258368 | 0.61  | 0.38  | 0.38   | -0.20  | -0.24  | 0.35   |
|      | 86     | 258320 | 0.79  | 0.42  | -0.25  | 0.42   | -0.29  | 0.35   |

Table A18. Government Operational Items: May08 - Linking - Form 108

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 87     | 258436 | 0.88  | 0.46  | 0.46   | -0.35  | -0.23  | 0.35   |
| 108  | 88     | 258384 | 0.87  | 0.43  | -0.29  | 0.43   | -0.25  | 0.35   |
|      | 89     | 258486 | 0.67  | 0.34  | -0.25  | 0.34   | -0.16  | 0.35   |
|      | 90     | 258411 | 0.61  | 0.50  | -0.15  | -0.42  | 0.50   | 0.35   |
|      | 92     | 258313 | 0.87  | 0.37  | -0.21  | 0.37   | -0.26  | 0.53   |
|      | 95     | 258716 | 0.80  | 0.41  | 0.41   | -0.24  | -0.29  | 0.44   |
|      | 96     | 258335 | 0.77  | 0.38  | -0.24  | -0.22  | 0.38   | 0.44   |
|      | 99     | 258377 | 0.89  | 0.42  | 0.42   | -0.24  | -0.30  | 0.62   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A19. Government Operational Items: May08 - Linking - Form 208

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 208  | 1      | 258401 | 0.89  | 0.53  | -0.32  | -0.40  | 0.53   | 0.00   |
|      | 2      | 258459 | 0.93  | 0.24  | -0.16  | 0.24   | -0.19  | 0.00   |
|      | 3      | 258402 | 0.73  | 0.42  | -0.33  | -0.24  | 0.42   | 0.00   |
|      | 4      | 258406 | 0.90  | 0.37  | -0.14  | 0.37   | -0.33  | 0.00   |
|      | 6      | 258347 | 0.83  | 0.47  | 0.47   | -0.20  | -0.42  | 0.00   |
|      | 10     | 258328 | 0.91  | 0.44  | 0.44   | -0.28  | -0.33  | 0.00   |
|      | 11     | 258422 | 0.75  | 0.45  | -0.27  | -0.31  | 0.45   | 0.09   |
|      | 13     | 258357 | 0.77  | 0.44  | -0.33  | 0.44   | -0.24  | 0.00   |
|      | 21     | 258452 | 0.79  | 0.49  | 0.49   | -0.42  | -0.24  | 0.09   |
|      | 22     | 258330 | 0.82  | 0.43  | 0.43   | -0.32  | -0.26  | 0.00   |
|      | 26     | 258454 | 0.77  | 0.50  | -0.27  | -0.41  | 0.50   | 0.00   |
|      | 27     | 258364 | 0.91  | 0.32  | -0.19  | 0.32   | -0.26  | 0.00   |
|      | 28     | 258361 | 0.82  | 0.41  | 0.41   | -0.33  | -0.24  | 0.00   |
|      | 29     | 258336 | 0.71  | 0.37  | -0.26  | -0.23  | 0.37   | 0.00   |
|      | 32     | 258376 | 0.80  | 0.43  | 0.43   | -0.30  | -0.28  | 0.00   |
|      | 33     | 258419 | 0.54  | 0.42  | -0.24  | 0.42   | -0.26  | 0.00   |
|      | 34     | 258425 | 0.83  | 0.43  | -0.37  | 0.43   | -0.16  | 0.18   |
|      | 35     | 258715 | 0.93  | 0.30  | -0.24  | 0.30   | -0.17  | 0.18   |
|      | 36     | 258473 | 0.81  | 0.41  | -0.25  | -0.29  | 0.41   | 0.18   |
|      | 44     | 258478 | 0.54  | 0.38  | -0.39  | 0.38   | -0.06  | 0.18   |
|      | 45     | 258501 | 0.87  | 0.50  | -0.35  | -0.33  | 0.50   | 0.18   |
|      | 46     | 258450 | 0.83  | 0.45  | 0.45   | -0.33  | -0.27  | 0.18   |
|      | 47     | 258498 | 0.84  | 0.49  | 0.49   | -0.32  | -0.34  | 0.18   |
|      | 49     | 258388 | 0.59  | 0.35  | -0.15  | 0.35   | -0.28  | 0.18   |
|      | 50     | 258351 | 0.79  | 0.46  | 0.46   | -0.34  | -0.28  | 0.36   |
|      | 51     | 258488 | 0.79  | 0.27  | 0.27   | -0.27  | -0.10  | 0.18   |
|      | 52     | 258479 | 0.89  | 0.42  | -0.20  | 0.42   | -0.35  | 0.27   |
|      | 53     | 258375 | 0.86  | 0.54  | 0.54   | -0.36  | -0.37  | 0.27   |
|      | 54     | 258414 | 0.68  | 0.38  | -0.23  | 0.38   | -0.26  | 0.18   |
|      | 55     | 258495 | 0.68  | 0.51  | 0.51   | -0.32  | -0.32  | 0.18   |
|      | 56     | 258321 | 0.78  | 0.47  | 0.47   | -0.23  | -0.39  | 0.18   |
|      | 63     | 258426 | 0.70  | 0.56  | 0.56   | -0.46  | -0.24  | 0.18   |
|      | 64     | 258722 | 0.75  | 0.39  | -0.28  | 0.39   | -0.22  | 0.18   |
|      | 65     | 258407 | 0.48  | 0.43  | 0.43   | -0.25  | -0.29  | 0.27   |
|      | 66     | 258412 | 0.88  | 0.41  | 0.41   | -0.29  | -0.27  | 0.27   |
|      | 67     | 258369 | 0.74  | 0.38  | -0.28  | -0.21  | 0.38   | 0.45   |
|      | 68     | 258483 | 0.83  | 0.45  | 0.45   | -0.27  | -0.33  | 0.45   |
|      | 69     | 258719 | 0.90  | 0.41  | 0.41   | -0.30  | -0.23  | 0.45   |
|      | 71     | 258345 | 0.49  | 0.33  | -0.22  | 0.33   | -0.15  | 0.45   |
|      | 72     | 258390 | 0.87  | 0.41  | -0.24  | 0.41   | -0.29  | 0.45   |
|      | 75     | 258329 | 0.62  | 0.28  | 0.28   | -0.11  | -0.33  | 0.54   |
|      | 76     | 258409 | 0.77  | 0.43  | -0.26  | 0.43   | -0.30  | 0.45   |

Table A19. Government Operational Items: May08 - Linking - Form 208

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 77     | 258434 | 0.60  | 0.42  | -0.09  | -0.43  | 0.42   | 0.45   |
| 208  | 84     | 258391 | 0.84  | 0.45  | 0.45   | -0.26  | -0.30  | 0.54   |
|      | 86     | 258316 | 0.59  | 0.26  | -0.10  | 0.26   | -0.20  | 0.45   |
|      | 87     | 258404 | 0.76  | 0.37  | 0.37   | -0.20  | -0.28  | 0.45   |
|      | 91     | 258468 | 0.85  | 0.48  | 0.48   | -0.37  | -0.26  | 0.45   |
|      | 92     | 258491 | 0.66  | 0.45  | -0.28  | 0.45   | -0.31  | 0.45   |
|      | 95     | 258341 | 0.89  | 0.36  | 0.36   | -0.24  | -0.24  | 0.45   |
|      | 96     | 258502 | 0.52  | 0.29  | 0.29   | -0.21  | -0.09  | 0.45   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.

Table A20. Government Operational Items: Summer08 - Form 308

| Form | Pos No | ItemID | P Val | R ITT | P BIS1 | P BIS2 | P BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
| 308  | 2      | 258363 | 0.39  | 0.26  | -0.13  | -0.17  | 0.26   | 0.00   |
|      | 4      | 258500 | 0.33  | 0.36  | 0.36   | -0.05  | -0.32  | 0.00   |
|      | 5      | 258338 | 0.39  | 0.46  | -0.35  | 0.46   | -0.14  | 0.00   |
|      | 6      | 258327 | 0.45  | 0.33  | 0.33   | -0.14  | -0.29  | 0.00   |
|      | 11     | 258408 | 0.63  | 0.07  | 0.07   | -0.13  | 0.09   | 0.00   |
|      | 12     | 258355 | 0.56  | 0.20  | 0.20   | -0.11  | -0.13  | 0.00   |
|      | 14     | 258458 | 0.48  | 0.34  | 0.34   | -0.26  | -0.17  | 0.00   |
|      | 15     | 258505 | 0.48  | 0.21  | 0.21   | -0.01  | -0.24  | 0.00   |
|      | 16     | 258506 | 0.52  | 0.20  | -0.03  | -0.21  | 0.20   | 0.00   |
|      | 19     | 258349 | 0.52  | 0.35  | 0.35   | -0.36  | -0.02  | 0.00   |
|      | 20     | 258429 | 0.52  | 0.25  | -0.10  | -0.20  | 0.25   | 0.00   |
|      | 21     | 258353 | 0.31  | 0.02  | 0.15   | 0.02   | -0.20  | 0.00   |
|      | 22     | 258396 | 0.50  | 0.17  | 0.17   | -0.29  | 0.14   | 0.00   |
|      | 27     | 258410 | 0.45  | 0.44  | -0.02  | -0.44  | 0.44   | 0.00   |
|      | 29     | 258386 | 0.53  | 0.57  | 0.57   | -0.40  | -0.29  | 0.00   |
|      | 30     | 258350 | 0.42  | 0.06  | 0.06   | -0.04  | -0.02  | 0.00   |
|      | 31     | 258378 | 0.41  | 0.02  | 0.10   | -0.13  | 0.02   | 0.00   |
|      | 32     | 258503 | 0.45  | 0.17  | -0.20  | 0.00   | 0.17   | 0.00   |
|      | 33     | 258440 | 0.56  | 0.25  | -0.14  | 0.25   | -0.16  | 0.00   |
|      | 34     | 258400 | 0.58  | 0.38  | -0.31  | -0.17  | 0.38   | 0.00   |
|      | 35     | 258421 | 0.27  | 0.16  | 0.16   | -0.02  | -0.13  | 0.00   |
|      | 38     | 258446 | 0.45  | 0.29  | -0.28  | 0.29   | -0.04  | 0.00   |
|      | 39     | 258344 | 0.31  | 0.21  | 0.21   | -0.24  | 0.06   | 0.00   |
|      | 40     | 258432 | 0.50  | 0.16  | -0.21  | 0.03   | 0.16   | 0.00   |
|      | 41     | 258428 | 0.58  | 0.25  | -0.11  | -0.19  | 0.25   | 0.00   |
|      | 42     | 258360 | 0.56  | 0.14  | -0.06  | 0.14   | -0.10  | 0.00   |
|      | 43     | 258343 | 0.56  | 0.38  | -0.14  | 0.38   | -0.31  | 0.00   |
|      | 45     | 258438 | 0.73  | 0.38  | 0.38   | -0.35  | -0.14  | 0.00   |
|      | 46     | 258718 | 0.72  | 0.47  | 0.47   | -0.22  | -0.38  | 0.00   |
|      | 47     | 258424 | 0.33  | 0.34  | -0.16  | 0.34   | -0.18  | 0.00   |
|      | 48     | 258323 | 0.47  | 0.30  | -0.23  | 0.30   | -0.11  | 0.00   |
|      | 49     | 258324 | 0.83  | 0.25  | -0.19  | -0.17  | 0.25   | 0.00   |
|      | 50     | 258437 | 0.50  | 0.33  | 0.03   | -0.37  | 0.33   | 0.00   |
|      | 51     | 258319 | 0.41  | 0.16  | -0.09  | 0.16   | -0.08  | 0.00   |
|      | 54     | 258389 | 0.58  | 0.11  | -0.10  | 0.11   | -0.03  | 0.00   |
|      | 55     | 258379 | 0.50  | 0.26  | -0.14  | -0.16  | 0.26   | 0.00   |
|      | 57     | 258413 | 0.50  | 0.19  | -0.10  | 0.19   | -0.12  | 0.00   |
|      | 58     | 258448 | 0.47  | 0.39  | 0.39   | -0.26  | -0.19  | 0.00   |
|      | 59     | 258721 | 0.38  | 0.17  | 0.17   | -0.10  | -0.08  | 0.00   |
|      | 60     | 258439 | 0.53  | 0.25  | -0.27  | 0.25   | -0.02  | 0.00   |
|      | 61     | 258368 | 0.39  | 0.19  | 0.19   | 0.01   | -0.29  | 0.00   |
|      | 62     | 258320 | 0.47  | 0.32  | -0.20  | 0.32   | -0.16  | 0.00   |

Table A20. Government Operational Items: Summer08 - Form 308

| Form | Pos_No | ItemID | P_Val | R_ITT | P_BIS1 | P_BIS2 | P_BIS3 | %Omits |
|------|--------|--------|-------|-------|--------|--------|--------|--------|
|      | 63     | 258436 | 0.52  | 0.45  | 0.45   | -0.36  | -0.17  | 0.00   |
| 308  | 64     | 258384 | 0.64  | 0.31  | -0.27  | 0.31   | -0.10  | 0.00   |
|      | 65     | 258486 | 0.52  | 0.36  | -0.19  | 0.36   | -0.23  | 0.00   |
|      | 66     | 258411 | 0.31  | 0.37  | -0.09  | -0.27  | 0.37   | 0.00   |
|      | 68     | 258313 | 0.67  | 0.32  | -0.30  | 0.32   | -0.08  | 0.00   |
|      | 71     | 258716 | 0.41  | 0.32  | 0.32   | -0.20  | -0.14  | 0.00   |
|      | 72     | 258335 | 0.53  | 0.32  | -0.13  | -0.24  | 0.32   | 0.00   |
|      | 75     | 258377 | 0.58  | 0.48  | 0.48   | -0.41  | -0.22  | 0.00   |

Note: P\_Val = P-Value, R\_ITT = item-total correlation, P\_BIS1 to P\_BIS3 = option-total correlation, %Omits = percent of omitted responses.