LIST OF FIGURES

Figure 1.1 Test Information Curves of Base Form vs. Current Year's Reading Operational Test	
Form	14
Figure 1.2 Standard Errors of Base Form vs. Current Year's Reading Operational Test Form	114
Figure 1.3 Rasch Item Difficulty Comparisons of BCR Items for Year 2007 vs. Year 2009:	40
Grade 3 Form A	42
Figure 1.4 Rasch Item Difficulty Comparisons of BCR Items for Year 2007 vs. Year 2009:	
Grade 3 Form B	44
Figure 1.5 Rasch Item Difficulty Comparisons of BCR Items for Year 2007 vs. Year 2009: Grade 4 Form A	46
Figure 1.6 Rasch Item Difficulty Comparisons of BCR Items for Year 2007 vs. Year 2009:	
Grade 4 Form B	48
Figure 1.7 Rasch Item Difficulty Comparisons of BCR Items for Year 2007 vs. Year 2009:	
Grade 5 Form A	50
Figure 1.8 Rasch Item Difficulty Comparisons of BCR Items for Year 2007 vs. Year 2009:	
Grade 5 Form B	52
Figure 1.9 Rasch Item Difficulty Comparisons of BCR Items for Year 2007 vs. Year 2009:	
Grade 6 Form A	54
Figure 1.10 Rasch Item Difficulty Comparisons of BCR Items for Year 2007 vs. Year 2009:	
Grade 6 Form B	56
Figure 1.11 Rasch Item Difficulty Comparisons of BCR Items for Year 2007 vs. Year 2009:	
Grade 7 Form A	58
Figure 1.12 Rasch Item Difficulty Comparisons of BCR Items for Year 2007 vs. Year 2009:	
Grade 7 Form B	60
Figure 1.13 Rasch Item Difficulty Comparisons of BCR Items for Year 2007 vs. Year 2009:	
Grade 8 Form A	62
Figure 1.14 Rasch Item Difficulty Comparisons of BCR Items for Year 2007 vs. Year 2009:	
Grade 8 Form B	
Figure 1.15 Anchor Evaluation Steps Chart for MSA-Reading	67
Figure 1.16 Item Difficulty Plot of Base Year Form vs. Current Year Form:	
Grade 3 Form A	70
Figure 1.17 Item Difficulty Plot of Base Year Form vs. Current Year Form:	
Grade 3 Form B	70
Figure 1.18 Item Difficulty Plot of Base Year Form vs. Current Year Form:	
Grade 4 Form A	73
Figure 1.19 Item Difficulty Plot of Base Year Form vs. Current Year Form:	
Grade 4 Form B	73
Figure 1.20 Item Difficulty Plot of Base Year Form vs. Current Year Form:	
Grade 5 Form A	76
Figure 1.21 Item Difficulty Plot of Base Year Form vs. Current Year Form:	
Grade 5 Form B	76
Figure 1.22 Item Difficulty Plot of Base Year Form vs. Current Year Form:	
Grade 6 Form A	79
Figure 1.23 Item Difficulty Plot of Base Year Form vs. Current Year Form:	
Grade 6 Form B	79

Figure 1.24 Item Difficulty Plot of Base Year Form vs. Current Year Form:	
Grade 7 Form A	. 82
Figure 1.25 Item Difficulty Plot of Base Year Form vs. Current Year Form:	
Grade 7 Form B	. 82
Figure 1.26 Item Difficulty Plot of Base Year Form vs. Current Year Form:	
Grade 8 Form A	. 85
Figure 1.27 Item Difficulty Plot of Base Year Form vs. Current Year Form:	
Grade 8 Form B	. 85
Figure 3.1 Item Characteristic Curve	115
Figure 3.2 Category Response Curves for a One-Step Item.	116
Figure 3.3 Category Response Curves for a Two-Step Item	117
Figure B.1 Year 2003 Scale Score Distribution: Grade 3	
Figure B.2 Year 2009 Scale Score Distribution: Grade 3 Form A	175
Figure B.3 Cumulative Distribution Functions (CDFs) for the Year 2003 vs. Year 2009 Scale	e
Scores with the Percent Differences between CDFs: Grade 3 Form A	176
Figure B.4 Cumulative Distribution Functions (CDFs) for the Year 2003 vs. Year 2009 Scale	e
Scores with the Cumulative Percent Differences between CDFs: Grade 3 Form A	
Figure B.5 Year 2009 Scale Score Distribution: Grade 3 Form B	177
Figure B.6 Cumulative Distribution Functions (CDFs) for the Year 2003 vs. Year 2009 Scale	
Scores with the Percent Differences between CDFs: Grade 3 Form B	178
Figure B.7 Cumulative Distribution Functions (CDFs) for the Year 2003 vs. Year 2009 Scale	e
Scores with the Cumulative Percent Differences between CDFs: Grade 3 Form B	
Figure B.8 Year 2004 Scale Score Distribution: Grade 4	179
Figure B.9 Year 2009 Scale Score Distribution: Grade 4 Form A	
Figure B.10 Cumulative Distribution Functions (CDFs) for the Year 2004 vs. Year 2009 Sca	
Scores with the Percent Differences between CDFs: Grade 4 Form A	
Figure B.11 Cumulative Distribution Functions (CDFs) for the Year 2004 vs. Year 2009 Sca	
Scores with the Cumulative Percent Differences between CDFs: Grade 4 Form A	181
Figure B.12 Year 2009 Scale Score Distribution: Grade 4 Form B	182
Figure B.13 Cumulative Distribution Functions (CDFs) for the Year 2004 vs. Year 2009 Sca	
Scores with the Percent Differences between CDFs: Grade 4 Form B	
Figure B.14 Cumulative Distribution Functions (CDFs) for the Year 2004 vs. Year 2009 Sca	ıle
Scores with the Cumulative Percent Differences between CDFs: Grade 4 Form B	183
Figure B.15 Year 2003 Scale Score Distribution: Grade 5	
Figure B.16 Year 2009 Scale Score Distribution: Grade 5 Form A	
Figure B.17 Cumulative Distribution Functions (CDFs) for the Year 2003 vs. Year 2009 Sca	
Scores with the Percent Differences between CDFs: Grade 5 Form A	
Figure B.18 Cumulative Distribution Functions (CDFs) for the Year 2003 vs. Year 2009 Sca	
Scores with the Cumulative Percent Differences between CDFs: Grade 5 Form A	
Figure B.19 Year 2009 Scale Score Distribution: Grade 5 Form B	
Figure B.20 Cumulative Distribution Functions (CDFs) for the Year 2003 vs. Year 2009 Sca	
Scores with the Percent Differences between CDFs: Grade 5 Form B	
Figure B.21 Cumulative Distribution Functions (CDFs) for the Year 2003 vs. Year 2009 Sca	
Scores with the Cumulative Percent Differences between CDFs: Grade 5 Form B	
Figure B.22 Year 2004 Scale Score Distribution: Grade 6.	
Figure B.23 Year 2009 Scale Score Distribution: Grade 6 Form A	190

Figure B.24 Cumulative Distribution Functions (CDFs) for the Year 2004 vs. Year 2009 Scale
Scores with the Percent Differences between CDFs: Grade 6 Form A
Figure B.25 Cumulative Distribution Functions (CDFs) for the Year 2004 vs. Year 2009 Scale
Scores with the Cumulative Percent Differences between CDFs: Grade 6 Form A191
Figure B.26 Year 2009 Scale Score Distribution: Grade 6 Form B
Figure B.27 Cumulative Distribution Functions (CDFs) for the Year 2004 vs. Year 2009 Scale
Scores with the Percent Differences between CDFs: Grade 6 Form B
Figure B.28 Cumulative Distribution Functions (CDFs) for the Year 2004 vs. Year 2009 Scale
Scores with the Cumulative Percent Differences between CDFs: Grade 6 Form B193
Figure B.29 Year 2004 Scale Score Distribution: Grade 7
Figure B.30 Year 2009 Scale Score Distribution: Grade 7 Form A
Figure B.31 Cumulative Distribution Functions (CDFs) for the Year 2004 vs. Year 2009 Scale
Scores with the Percent Differences between CDFs: Grade 7 Form A
Figure B.32 Cumulative Distribution Functions (CDFs) for the Year 2004 vs. Year 2009 Scale
Scores with the Cumulative Percent Differences between CDFs: Grade 7 Form A196
Figure B.33 Year 2009 Scale Score Distribution: Grade 7 Form B
Figure B.34 Cumulative Distribution Functions (CDFs) for the Year 2004 vs. Year 2009 Scale
Scores with the Percent Differences between CDFs: Grade 7 Form B
Figure B.35 Cumulative Distribution Functions (CDFs) for the Year 2004 vs. Year 2009 Scale
Scores with the Cumulative Percent Differences between CDFs: Grade 7 Form B198
Figure B.36 Year 2003 Scale Score Distribution: Grade 8
Figure B.37 Year 2009 Scale Score Distribution: Grade 8 Form A
Figure B.38 Cumulative Distribution Functions (CDFs) for the Year 2003 vs. Year 2009 Scale
Scores with the Percent Differences between CDFs: Grade 8 Form A201
Figure B.39 Cumulative Distribution Functions (CDFs) for the Year 2003 vs. Year 2009 Scale
Scores with the Cumulative Percent Differences between CDFs: Grade 8 Form A201
Figure B.40 Year 2009 Scale Score Distribution: Grade 8 Form B
Figure B.41 Cumulative Distribution Functions (CDFs) for the Year 2003 vs. Year 2009 Scale
Scores with the Percent Differences between CDFs: Grade 8 Form B
Figure B.42 Cumulative Distribution Functions (CDFs) for the Year 2003 vs. Year 2009 Scale
Scores with the Cumulative Percent Differences between CDFs: Grade 8 Form B203