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What is New in this Edition?

This edition has been revised to reflect the changes made to the Algebra I framework as given in the 2007 Mississippi Mathematics Framework Revised. Some teaching material that dealt specifically with competencies and objectives that were removed from the new framework has been removed in this edition. Other material has been added for competencies and objectives that were added to the new framework. The level of difficulty for problems has been adjusted to reflect the correct depth of knowledge (DOK) as indicated by the new framework.

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Preface

The *Mississippi SATP Algebra I Revised Student Review Guide* is written to help students review the skills needed to pass the Algebra I end-of-course test in Mississippi. This comprehensive guide is based on the 2007 Mississippi Algebra I Framework (Revised) Competencies as correlated by the Mississippi State Department of Education.

How To Use This Book

Students:

The Algebra I end-of-course test is required for graduation. You must pass the state end-of-course test, which contains 65 multiple-choice questions. This book is a review for the Algebra I end-of-course test.

- ① Take the pre-test at the front of this book. The pre-test covers the Algebra I skills as they will be tested on the end-of-course test. The pre-test is designed to identify areas that you need to review.
- ② Score the pre-test. Using the pre-test evaluation chart, circle the questions that you answered incorrectly.
- ③ For each question that you missed on the pre-test, review the corresponding sections in the book. Read the instructional material, do the practice exercises, and take the section review tests at the end of each section.
- ④ After reviewing the skills, take the two practice tests (also provided as separate booklets). These practice tests are written to look similar to the actual Algebra I end-of-course test, so they will give you practice in taking the test.
- ⑤ After taking Practice Test 1 and/or Practice Test 2, use the practice test evaluation charts, which are found directly after each practice test, to identify areas for further review and practice. The practice test evaluation charts can be used in the same way as the pre-test evaluation charts.

Teachers:

This review guide is also intended to save you, the teacher, time in the classroom. It can be used for classroom instruction or for individual student review. Since this student guide offers review for ALL of the Mississippi Curriculum Framework for the Algebra I course, you, the teacher, have one consolidated resource of materials to help your students prepare for the end-of-course test.

- ① When teaching or tutoring individual students, use the strategy outlined above for students. By taking the pre-test, students can identify areas that need improvement. The pre-test evaluation chart directs the student to the sections they need to review for instruction and additional practice.
- ② For classroom study, use this guide to supplement lesson plans and to give additional review for skills required by the Algebra I Framework Competencies. Purchase a class set of guides for use in the classroom or assign guides to students for out-of-classroom work.
- ③ Assign the practice tests (provided in separate booklets) as comprehensive review tests.
- ④ Use the practice test evaluation charts found after each practice test to identify areas needing further review.
- ⑤ To establish benchmarks, you may want to use one of the practice tests (provided in separate booklets) as a pre-test. Then, after the students have completed all the exercises in the workbook, use the second practice test to gauge progress. You should see marked improvement between the initial and final benchmarks. (You may also want to use the pre-test in this book to get an initial score, but the question distribution for each competency in the pre-test does not necessarily match the state-specified blueprint.)
- ⑥ Please **DO NOT** photocopy materials from this guide, the pre-test booklet, or the practice test booklets. These materials are intended to be used as student workbooks, and individual pages should not be duplicated by any means without permission from the copyright holder. To purchase additional or specialized copies of sections in this book, please contact the publisher at 1-800-745-4706.

Competency Correlation Chart (Teacher's Edition)

The chart below correlates each Algebra I Framework Competency as specified by the Mississippi State Department of Education to the student guide. The Text Section column gives the section numbers in the text where each competency is reviewed. The Pretest and Practice Test columns give the question number(s) in that test that correlates to each competency.

Framework Competency	Text Section(s)	Pre-Test	Practice Test 1	Practice Test 2
1a	1.1–1.4, 2.1–2.3, 3.1–3.5, 10.1–10.5, 11.1–11.3	5,7,10,54,62	1,35,43,57,63,64	5,9,15,29,32
1b	23.1–23.4	11,16,48,53	27,41,56	1,22,30
2a	4.1–4.6, 5.1–5.3, 6.1–6.7, 7.6–7.8, 8.1–8.5	1,15,29,31	15,26,52,55	2,11,16,23,41
2b	9.1–9.5	4,9,13	2,9,13	3,14,60,65
2c	25.1–25.4	8,37,42,55	37,48,58,62	8,10,18
2d	21.2, 26.4	19,35	24,45	7,50
2e	4.3, 18.1–18.5, 20.2, 20.3, 20.5–20.7, 21.4, 21.6, 22.1–22.3, 25.5	23,34,39,57	3,11,18,22,60	13,21,51,55
2f	24.2–24.6	21,26	10,42	17,20
2g	10.1–10.6, 11.1–11.3, 13.6, 14.1–14.3	3,17,64	4,20,25	38,43
2h	13.1–13.4	49,59	6,53	42,52
2i	15.1–15.3, 16.1–16.3, 26.1	25,45,56	23,32,46	4,24,36
2j	13.1–13.5, 15.4	20	17	54
2k	16.4, 26.1–26.3	18,22,33	5,21,33	19,45,57
2l	19.1–19.3	12,41	29	40,47
3a	22.4–22.6, 24.1	24,50,51,65	30,38,39	25,33,35,46,62
3b	20.1, 20.4, 21.1–21.6	14,27,30,46	8,16,28,31,65	12,34,37,53
4a	4.2, 7.1–7.4, 7.6, 7.8	2,28,43	44,61	26,48
4b	7.5, 17.1–17.5, 20.1, 20.2	38,44,47,63	12,47,49	27,44,61
4c	12.1–12.5, 14.3	6,32,60,61	7,19,50	6,28,56
5a	27.1–27.3	40,58	34,40,54	31,39,49,58,
5b	27.2, 27.3	36,52	14,36,51,59	59,63,64