

Alabama High School Graduation Exam Student Review Guide: Mathematics

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Preface

The *Alabama High School Graduation Exam Student Review Guide: Mathematics* is written to help students review the skills needed to pass the Mathematics portion of the Alabama High School Graduation Exam, Third Edition (AHSGE). This comprehensive guide is based on the Alabama Standards and Objectives developed by the Alabama State Department of Education.

How To Use This Book

Students:

Passing the Alabama High School Graduation Exam (AHSGE) is required for graduation. The AHSGE is a multiple-choice exam given in five subject areas: Language, Reading Comprehension, Mathematics, Science, and Social Studies. This book is a review for the Mathematics portion of the AHSGE.

- ① Take the pre-test found in the front of this book. The pre-test covers all the math skills tested on the AHSGE in a format similar to the actual 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 test at the end of each section.
- ④ After reviewing the skills, take the two practice tests (provided as separate booklets). These practice tests are written to look similar to the actual AHSGE; therefore, 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 chart.

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 math skills necessary for passing the AHSGE in mathematics, it provides you one consolidated resource of material to help your students prepare for the exam.

- 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 students 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 tested on the AHSGE. 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 You may want to use the pre-test to establish a benchmark for each student. Score the pre-test by counting each question as 1 point. Then, after the students have completed all the exercises in the workbook, use one or both practice tests to gauge progress. You should see marked improvement between the initial and final benchmarks.
- ⑥ Please **DO NOT** photocopy materials from these guides or the practice test booklets. These guides 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.