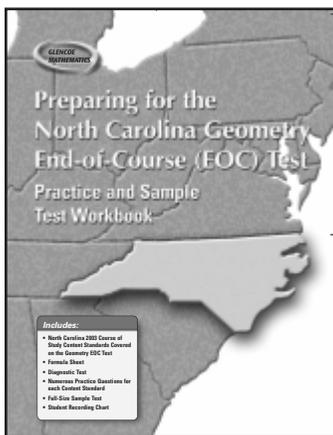


Daily Intervention for North Carolina Students and Teachers



This booklet contains correlations to materials available from Glencoe/McGraw-Hill that can assist you in preparing your students for success on the North Carolina Geometry End-of-Course Test, including correlations between lessons in *Glencoe Geometry* and the North Carolina Geometry Standard Course of Study. Lists of these standards are included for your convenience.

In addition, this booklet contains correlations between the Student Edition of *Glencoe Geometry* and the following workbooks:



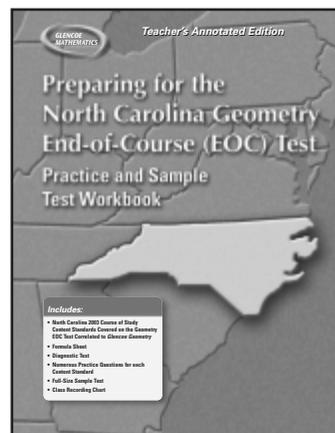
*Preparing for the North Carolina
Geometry End-of-Course (EOC)
Test Practice and Sample Test
Workbook, Student Edition*

Preparing for the North Carolina Geometry End-of-Course (EOC) Test Practice and Sample Test Workbook, Student Edition

This workbook includes practice for each standard tested on the North Carolina Geometry End-of-Course (EOC) Test, including multiple-choice review questions. In addition, 2 sample tests are provided in the workbook. Students can review the material as they progress through the textbook or use it as a review before taking the North Carolina Geometry End-of-Course Test.

Preparing for the North Carolina Geometry End-of-Course (EOC) Test Practice and Sample Test Workbook, Teacher's Annotated Edition

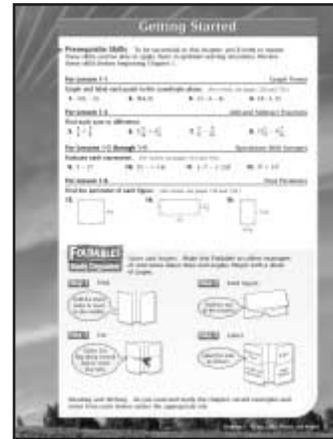
In this Teacher's Annotated Edition, answers are printed full-size, in place on the student pages of the practice and sample test pages. Each item in the sample tests is also referenced by standard. A list of the North Carolina Geometry Standard Course of Study is included.



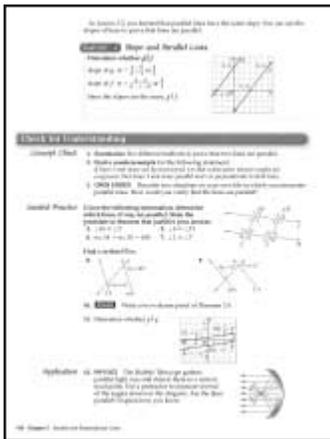
*Preparing for the North Carolina
Geometry End-of-Course (EOC)
Test Practice and Sample Test
Workbook, Teacher's Annotated
Edition*

Daily Intervention in the Student Edition

- Every item of the **North Carolina Geometry Standard Course of Study** is correlated to a lesson in *Glencoe Geometry*.
- In the Getting Started section at the beginning of each chapter in the Student Edition, the **Prerequisite Skills** check students' preparedness for the chapter. You can check prior knowledge by reviewing prerequisite topics and explaining how these prerequisite topics are related to the current concept.
- Additional practice of **Prerequisite Skills** is provided at the end of each lesson with page references to help students review the concepts. These exercises review concepts and skills that will be applied in the next lesson. The Prerequisite Skills section in the Student Handbook in the back of the Student Edition provides explanation and practice of skills that are needed for success in geometry.



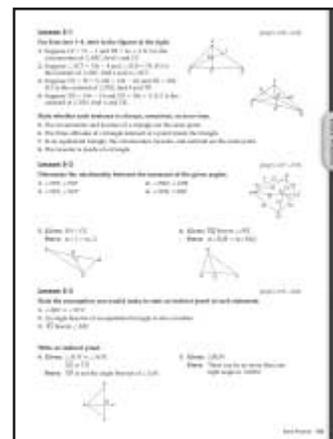
Geometry Student Edition, p. 5



Geometry Student Edition, p. 154

- You can use the **Check for Understanding** exercises in class to ensure that all students understand the concepts.
- **Concept Check** Students communicate their understanding of the concepts just taught by defining, describing, and explaining mathematical concepts.
- **Guided Practice** These exercises present a representative sample of the exercises in the Practice and Apply section. A key is provided in the Teacher Wraparound Edition that correlates the exercises to the corresponding examples. **Find the Error** exercises help students identify and address common errors before they occur.
- **Application** Students have the opportunity to solve a real-world or mathematical connection problem as a check for understanding.

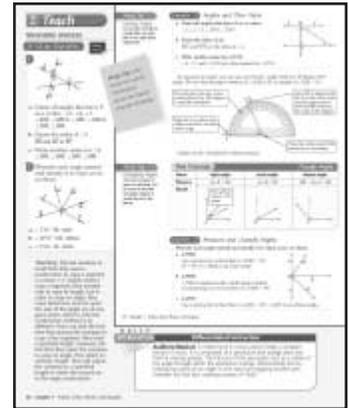
- **Extra Practice**, located in the back of the Student Edition, provides additional, immediate practice with the skills and concepts from each lesson.
- **Mixed Problem Solving and Proof**, also in the back of the Student Edition, includes numerous verbal problems for students to reinforce their problem-solving skills.



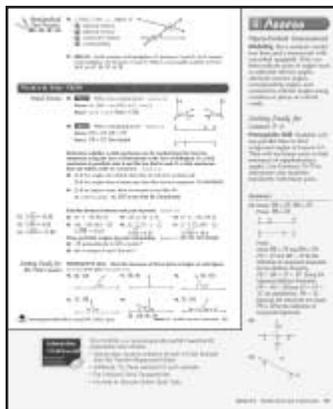
Geometry Student Edition, p. 763

Daily Intervention in the Teacher Wraparound Edition

- **Daily Intervention** features provide suggestions for addressing various learning styles and helping students who are having difficulty.
- The **Differentiated Instruction** suggestions are keyed to eight commonly-accepted learning styles.
- **Unlocking Misconceptions** suggestions help you analyze where students make common errors so you can point these trouble spots out to them.



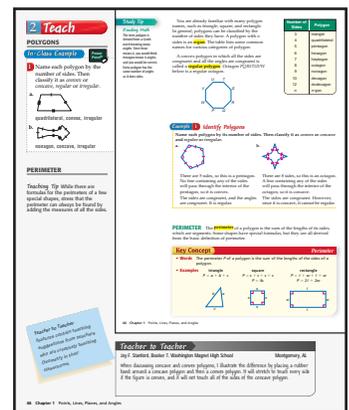
Geometry Teacher Wraparound Edition, p. 30



Geometry Teacher Wraparound Edition, p. 131

- Each lesson ends with **Open-Ended Assessment** strategies for closing the lesson and ensuring that students understand and can apply the concepts. These strategies for bringing closure to the lesson are addressed through writing, modeling, and speaking.

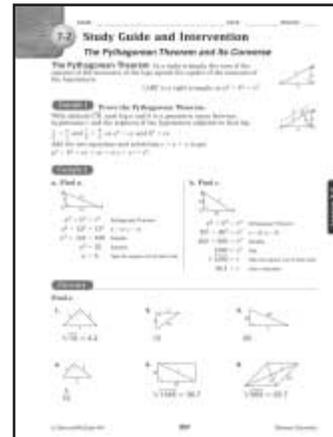
- **Teacher to Teacher** features contain teaching suggestions from teachers who are successfully teaching Geometry in their classrooms. Suggestions include content tips, techniques, and activities that can be used in intervention.



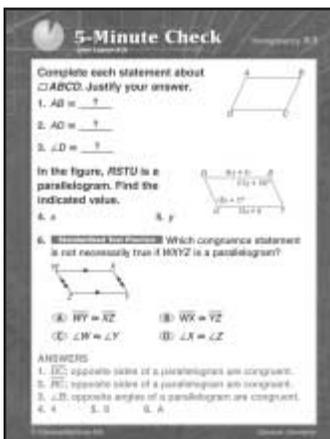
Geometry Teacher Wraparound Edition, p. 46

Daily Intervention in the Teacher Classroom Resources

- The **Study Guide and Intervention** masters found in the Chapter Resource Masters summarize key concepts for each objective and provide practice exercises. These masters are also available as a consumable **Study Guide and Intervention Workbook**. You may wish to use these masters for additional instruction and practice with individual students, in cooperative groups, or in peer tutoring situations.



Geometry Chapter 7 Resource Masters, p. 357



Geometry 5-Minute Check Transparency 8-3

- **5-Minute Check Transparencies with Standardized Test Practice**
For each lesson, there is a full-size transparency with questions covering the previous lesson or chapter. Also included on each transparency is a Standardized Test Practice question. These provide an excellent ongoing opportunity for checking students' understanding of the mathematics they are learning.

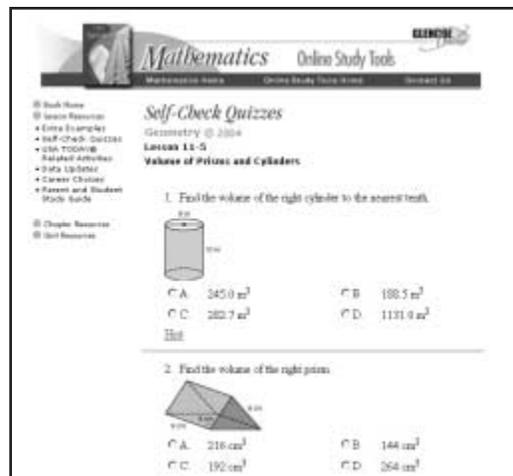
Daily Intervention on the Internet

- **Online Study Tools** These comprehensive review and intervention tools are available anytime, anyplace, simply by logging on to:

www.geometryonline.com

- **Self-Check Quizzes** are available for every lesson. Immediate feedback lets the student know whether the answers are correct and references specific pages and examples in the Student Edition for review. Access the Self-Check Quizzes directly at:

www.geometryonline.com/self_check_quiz



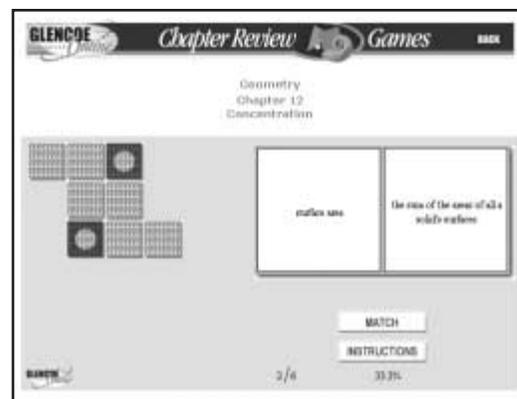
- **Extra Examples** that mimic the ones in the Student Edition are completely worked out and available for students to review at:

www.geometryonline.com/extra_examples

You may wish to use these examples in reteaching or to have students review areas of weakness.

- **Vocabulary Review** lets you and your students check their understanding of the terms and definitions used in each chapter. Access this game-style review at:

www.geometryonline.com/vocabulary_review



Daily Intervention with Other Resources

SKILL 44 Name _____ Date _____ Period _____
Solving Inequalities

Inequalities are sentences that compare two quantities that are not equal. The symbols below are used in inequalities.

Symbol	Words
$<$	less than
$>$	greater than
$<=$	less than or equal to
$>=$	greater than or equal to
\neq	not equal to

Inequalities usually have more than one solution.

Example Solve $2x + 1 > 5$. Show the solution on a number line.
 $2x + 1 - 1 > 5 - 1$ Subtract 1 from both sides.
 $2x > 4$
 $\frac{2x}{2} > \frac{4}{2}$ Divide both sides by 2.
 $x > 2$

To graph the solution on a number line, draw a circle at 2. Then draw an arrow to show all numbers greater than 2.

Solve each inequality. Graph the solution on a number line.

- $y + 7 < 12$
- $2x - 1 \geq 9$
- $m - 3 < 8$
- $6n > 18$
- $1 + 2k \leq 15$
- $\frac{z}{2} > 3$

© Glencoe/McGraw-Hill 87 Geometry

Prerequisite Skills Workbook, p. 87

- The **Prerequisite Skills Workbook** provides extra practice on basic skills that are needed for success in Geometry. You may use these pages to give students an opportunity to review and refresh their skills. Topics addressed include:
 - Operations with Integers
 - Operations with Decimals
 - Operations with Fractions
 - Order of Operations
 - Solving Equations and Inequalities
 - Measures in the Metric and Customary Systems
 - Probability

- The **GeomPASS: Tutorial Plus** CD-ROM provides an interactive, self-paced tutorial for a Geometry curriculum. The lessons are correlated directly to *Glencoe Geometry*. Each lesson, or concept, includes a pretest, tutorial, guided practice, and posttest. Students' answers to the pretests automatically determine whether the tutorial is needed for that concept—without taking teacher time to grade it. This software is designed to identify and address student weaknesses.

Slope Tutorial 41

Slope and the Tangent Ratio

The tangent ratio of an acute angle in a right triangle can be found by using the slope of the line containing the hypotenuse of the triangle.

$$\text{tangent} = \frac{\text{length of side opposite the angle}}{\text{length of side adjacent to angle}}$$

Navigation icons: Home, Help, Calculator, Back, Next

Student Remediation Plan

Teacher Instructions

You can use the Student Remediation Plan template that follows to plan for students who are in need of intervention/remediation. It can be used for high stakes tests, if there is no formal remediation plan required by your school or district. It can also be used for mid-semester reviews or project-based work.

Purpose

- To identify students' specific problem areas and link them to steps that can produce attainable results.
- To provide a template to easily record remediation plans and use them to communicate with students and/or parents.

Suggested Uses

- *Involve students in their Remediation Plans.*

Hold a teacher-student conference to go over the details of the remediation plan. Make certain they understand what they are to do, and have them sign a copy of their plan as a sign of good faith.

- *Involve parents as much as possible.*

You may also wish to involve parents in the remediation plan, if the situation is appropriate. Like your students, make sure the parents understand the steps their child should take to improve his or her performance in your class.

- *Identify common steps and resources that can be used for different levels of remedial study.*

Try to identify several sets of steps and resources for at least two different levels of student need. For example, you might identify a course of action for students who need a small amount of extra work, and one for those that need a great deal of extra study in the identified academic area.

Then, as you identify students in need of intervention, you can choose their level and the appropriate remediation plan. While you will probably want to customize the plan per student, you will at least have a defined set of steps with which to begin. After the semester ends, you can then evaluate each plan's success rate and determine what can be revised to improve each set of actions or resources.

Student Remediation Plan

Student _____ Teacher _____

Course _____ Date _____

Topic/Project/Exam _____

Problem Area	Solution Steps to Be Taken	Resources Needed