

# Unit 7 Test Study Guide

## (Polygons & Quadrilaterals)

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Block: \_\_\_\_\_

### Topic 1: Interior Angles of Polygons

1. What is the formula for the sum of the interior angles of a polygon?

$$S = (n - 2) \cdot 180$$

3. Find the sum of the interior angles of a 35-gon.

$$S = (35 - 2) \cdot 180$$

$$= 5940^\circ$$

5. If the sum of the interior angles of a polygon is  $3780^\circ$ , how many sides does it have?

$$3780 = (n - 2) \cdot 180$$

$$21 = n - 2$$

$$23 = n$$

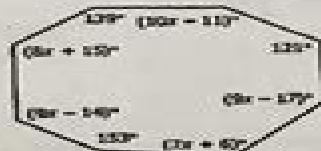
7. Solve for  $x$ .

$$(S = 1080^\circ)$$

$$43x + 392 = 1080$$

$$43x = 688$$

$$x = 16$$



2. What is the formula to find the measure of each interior angle of a regular polygon?

$$\text{Int } \angle = \frac{s}{n}$$

4. Six angles of a heptagon measure  $107^\circ$ ,  $139^\circ$ ,  $131^\circ$ ,  $110^\circ$ ,  $145^\circ$ , and  $128^\circ$ . What is the measure of the seventh angle? ( $S = 900^\circ$ )

$$140^\circ$$

6. What is the measure of each interior angle of a regular 18-gon?

$$(S = 2880^\circ)$$

$$\frac{2880}{18} = 160^\circ$$



8. Solve for  $x$ .

$$(S = 540^\circ)$$

$$(1 \text{ int } \angle = 108^\circ)$$

$$7x + 31 = 108$$

$$7x = 77$$

$$x = 11$$

### Topic 2: Exterior Angles of Polygons

9. What is the sum of the exterior angles of any polygon?

$$360^\circ$$

11. If the exterior angle of a regular polygon is  $24^\circ$ , how many sides does it have?

$$\frac{360}{24} = 15$$

13. Solve for  $x$ .



10. What is the measure of each exterior angle of a regular nonagon?

$$\frac{360}{9} = 40^\circ$$

12. If the interior angle of a regular polygon is  $162^\circ$ , how many sides does it have?

$$\text{ext } \angle = 18^\circ$$

$$\frac{360}{18} = 20$$

$$20x + 150 = 360$$

$$20x = 210$$

$$x = 7$$

# Geometry Unit 1 Answer Key

**Lisa Molengraft**

## Geometry Unit 1 Answer Key:

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Herbert David Welte, Frederic Butterfield Knight, 1929 *New York Math: Math B* ,2000 **Prentice Hall New York**

**Math: Math B** ,2001 How to Solve Word Problems, Grades 6-8 Robert Smith, 2001-02 Give students that extra boost they need to acquire important concepts in specific areas of math The goal of these How to books is to provide the information and practice necessary to master the math skills established by the National Council of Teachers of Mathematics Each book is divided into units containing concepts rules terms and formulas followed by corresponding practice pages Algebra and Geometry Jerry Howett, 1996 **Geometry Answer Key Units 1-5 (RES)** Responsive Education Solutions Staff, 2012-08-01

Key Individual Answer Key for Geometry Units 1-5 **Manual and Key to Plane Geometry** William Weller Strader, Lawrence D. Rhodes, 1929 **Math Computation Skills & Strategies Level 5** Saddleback Publishing, 2006-01-01 Every book in the Math Computation Skills and Strategies Series contains 125 reproducible pages that combine solid basic math skills reinforcement with problem solving strategy instruction The series develops fact fluency and multi digit computation skills across the strands Number Sense Operations Geometry Measurement Algebra Readiness and Probability

*Spectrum Test Prep, Grade 3* Spectrum, 2015-01-05 Spectrum Test Prep Grade 3 includes strategy based activities for language arts and math test tips to help answer questions and critical thinking and reasoning The Spectrum Test Prep series for grades 1 to 8 was developed by experts in education and was created to help students improve and strengthen their test taking skills The activities in each book not only feature essential practice in reading math and language arts test areas but also prepare students to take standardized tests Students learn how to follow directions understand different test formats use effective strategies to avoid common mistakes and budget their time wisely Step by step solutions in the answer key are included These comprehensive workbooks are an excellent resource for developing skills for assessment success Spectrum the best selling workbook series is proud to provide quality educational materials that support your students learning achievement and success **Resources in Education** ,1980 Basic Geometry Bernard Feldman, 1977 **Ways to Better Teaching in the Secondary School** Edgar Clarke Fontaine, 1928 *Math Teach and Test 3* Lisa

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book script of the play. [SCREEN LEGEND: 'OÙ SONT LES NEIGES."] There was young Champ Laughlin who later became vice-president of the Delta Planters. Bank. The Glass Menagerie - Tennessee Williams (AMANDA exits through living-room curtains. TOM is left with LAURA. He stares at her stupidly for a moment. Then he crosses to shelf holding glass menagerie. The Glass Menagerie Amanda Wingfield is a faded, tragic remnant of Southern gentility who lives in poverty in a dingy St. Louis apartment with her son, Tom, and her daughter, ... The Glass Menagerie When Amanda convinces Tom to bring home from his workplace a "gentleman caller" for Laura, the illusions that Tom, Amanda, and Laura have each created in order ... The Glass Menagerie Text Scene 1: The Wingfield apartment is in the rear of the building, one of those vast hive-like conglomerations of cellular living-units that flower as. Tennessee Williams - The Glass Menagerie (Scene 3) LEGEND ON SCREEN: 'AFTER THE FIASCO' [TOM speaks from the fire-escape landing.] TOM: After the fiasco at Rubicam's Business College, the idea of getting a ... "The Glass Menagerie," Scene One and Scene Two, by ... 41 Scene 1. 352 The Wingfield apartment is in the rear of the building, one of those vast hive-like conglomerations of cellular living-units that flower as ... Tennessee Williams - The Glass Menagerie (Scene 7) A moment after the curtain rises, the lights in both rooms flicker and go out.] JIM: Hey, there, Mr Light Bulb ! [AMANDA laughs nervously. LEGEND: 'SUSPENSION ... The Glass Menagerie: Acting Edition: Tennessee Williams A new introduction by the editor of The Tennessee Williams Annual Review, Robert Bray, reappraises the play more than half a century after it won the New York ... Earth Science: The Physical Setting - 1st Edition - Solutions ... Our resource for Earth Science: The Physical Setting includes answers to chapter exercises, as well as detailed information to walk you through the process step ... Earth Science Review Answers | PDF Teachers Guide and Answer Key. Reviewing Earth Science The Physical Setting Third Edition Thomas McGuire. This CD contains answer keys for the Earth Science The Physical Setting Answer Key Fill Earth Science The Physical Setting Answer Key, Edit online. Sign, fax and printable from PC, iPad, tablet or mobile with pdfFiller □ Instantly. 6u!iias |B3!sAL|C| am The Answer Key for the Brief Review in Earth Science provides answers to all of the questions in the book, including the sample Regents Examinations ... Earth Science The Physical Setting Answer Key: Books Earth Science: Physical Setting, New York Regents Review Practice Tests with Answers and Explanations (Based on NYS Core Guide) 2009-2010 Edition. Earth Science: the Physical Setting: Answer Key 2005 Focusing on the Earth Science content tested on the Regents Examination, this thorough review guide contains extensive vocabulary, review questions, ... Earth Science: The Physical Setting Answer Key (Prentice ... Earth Science: The Physical Setting Answer Key (Prentice Hall Brief Review for the New York Regents Exam) by Prentice Hall - ISBN 10: 0133200353 - ISBN 13: ... Regents Exams and Answers: Earth Science--Physical ... Review questions grouped by topic, to help refresh skills learned in class; Thorough explanations for all answers; Score analysis charts to help identify ... Review Book: Earth Science: The Physical Setting (3 Edition) by T McGuire · Cited by 8 — Record your answers in your Review Book. Be prepared for homework quizzes. The dates for the assignments will be given in class. Earth Science: The

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