

NAME:

PYTHAGOREAN THEOREM - WORKSHEET

For each triangle find the missing length. Round your answer to the nearest tenth. Then find the area and the perimeter.



See next page

For #5-9 c is the hypotenuse of the right triangle ABC with sides a, b, c

5. a = 12; b = 5; c = 13

$$\begin{aligned} 12^2 + 5^2 &= c^2 \\ 144 + 25 &= c^2 \\ 169 &= c^2 \\ \pm 13 &= c \end{aligned}$$

6. a = 8; b = 6; c = 10

$$\begin{aligned} 8^2 + b^2 &= 10^2 \\ 64 + b^2 &= 100 \\ b^2 &= 36 \\ b &= \pm 6 \end{aligned}$$

7. a = 15; b = 8; c = 17

$$\begin{aligned} 15^2 + b^2 &= 17^2 \\ 225 + b^2 &= 289 \\ b^2 &= 64 \\ b &= \pm 8 \end{aligned}$$

8. a = 30; b = 40; c = 50

$$\begin{aligned} a^2 + 40^2 &= 50^2 \\ a^2 + 1600 &= 2500 \\ a^2 &= 900 \\ a &= \pm 30 \end{aligned}$$

9. a = $2\sqrt{3}$; b = 2; c = 4

$$\begin{aligned} a^2 + 2^2 &= 4^2 \\ a^2 + 4 &= 16 \\ a^2 &= 12 \\ a &= \pm 2\sqrt{3} \end{aligned}$$

Pythagorean Theorem Worksheet With Answer Key

Judith A. Muschla, Gary Robert Muschla

Pythagorean Theorem Worksheet With Answer Key:

Key Maths GCSE David Baker,2002-01-25 Developed for the AQA Specification revised for the new National Curriculum and the new GCSE specifications The Teacher File contains detailed support and guidance on advanced planning points of emphasis key words notes for non specialist useful supplementary ideas and homework sheets *Key Maths GCSE* ,2003 Developed for the CCEA Specification this Teacher File contains detailed support and guidance on advanced planning points of emphasis key words notes for the non specialist useful supplementary ideas and homework sheets **Key Maths** David Baker,2001 Planned developed and written by practising classroom teachers with a wide variety of experience in schools this maths course has been designed to be enjoyable and motivating for pupils and teachers The course is open and accessible to pupils of all abilities and backgrounds and is differentiated to provide material which is appropriate for all pupils It provides spiral coverage of the curriculum which involves regular revisiting of key concepts to promote familiarity through practice This teacher s file is designed for stage three of Year 9 **7th Grade Math Is Easy! So Easy** Nathaniel Max Rock,2006-02 Rock offers a guide to what it takes to master seventh grade math Education **Geometry Teacher's Activities Kit** Judith A. Muschla,Gary Robert Muschla,2000-04-12 For all math teachers in grades 6 12 this practical resource provides 130 detailed lessons with reproducible worksheets to help students understand geometry concepts and recognize and interpret geometry's relationship to the real world The lessons and worksheets are organized into seven sections each covering one major area of geometry and presented in an easy to follow format including title focusing on a specific topic skill learning objective special materials if any teaching notes with step by step directions answer key and reproducible student activity sheets Activities in sections 1 6 are presented in order of difficulty within each section while those in Part 7 A Potpourri of Geometry are open ended and may be used with most middle and high school classes Many activities throughout the book may be used with calculators and computers in line with the NCTM's recommendations **Worksheets and Study Guide for Kaufmann/Schwitters' Algebra for College Students** Kay Haralson,2000 *Hands-On Algebra!* Frances McBroom Thompson, Ed.D.,1998-06-08 Lay a solid foundation of algebra proficiency with over 155 hands on games and activities To complement the natural process of learning each activity builds on the previous one from concrete to pictorial to abstract Dr Thompson s unique three step approach encourages students to first recognize patterns then use diagrams tables and graphs to illustrate algebraic concepts and finally apply what they ve learned through cooperative games puzzles problems and activities using a graphic calculator and computer You ll find each activity has complete teacher directions lists of materials needed and helpful examples for discussion homework and quizzes Most activities include time saving reproducible worksheets for use with individual students small groups or the entire class This ready to use resource contains materials sufficient for a two semester course in Algebra I and can be adapted for advanced students as well as students with dyslexia **Merrill Geometry** MERRILL,1994-05 [Merrill Algebra 1 Applications and Connections Reteaching Masters](#) Earl

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