

Using Special Right Triangles

Section A Use the triangle diagrams to help complete the table for the exact trig values.



	0°	30°	45°	60°	90°
sin	0				1
cos	1				0
tan	0				

Section B Give the exact values.

1) $\sin 30 + \cos 60$

2) $\tan 45 + \cos 60$

3) $4 \sin 30 + \cos 0$

4) $2 \sin 60$

5) $8 \cos 45$

6) $(\sin 45)^2 + 3 \cos 60$

7) $(3 \tan 30)^2 + (\tan 60)^2$

8) $5 \sin 60 - 3 \cos 30$

9) $9 \sin 30 - 3 \sin 90 + 4 (\cos 45)^2$

Section C Use the ratios of the given lengths to find the missing angles.



7 4 Practice A Special Right Triangles Worksheet

RC Schank

7 4 Practice A Special Right Triangles Worksheet:

Practice Master ,1995 New York Math: Math A ,2000 New Sat Rea Mel Friedman,Lina Miceli,Robert Bell,Michael Lee,Sally Wood,Adel Arshaghi,Suzanne Coffield,Michael McIrvin,Anita Price Davis,Research & Education Association,George DeLuca,Joseph Fili,Marilyn Gilbert,Bernice E. Goldberg,Leonard Kenner,2005-05-18 SAT with CD ROM The Very Best Coaching Study Course SAT CD ROM 1 Paperback 21cm x 27 5cm Geometry Nichols,1991 A high school textbook presenting the fundamentals of geometry **Resources in Education** ,1994 New National Framework Mathematics 8 M. J. Tipler,2003 New National Framework Mathematics features extensive teacher support materials which include dedicated resources to support each Core and Plus Book The 8 Core Teacher Planning Pack contains Teacher Notes for every chapter with a Self contained lesson plan for each of the units in the pupil books Key Maths Roma Harvey,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 Year 8 Key Maths David Baker,1999 Integrates pupils with any class whether mixed ability or setted Links chapter by chapter with mainstream Key Maths supporting and building on previous work Paced for slow learners to achieve success small steps with lots of practice Summary and Test Yourself worksheets can be photocopied to provide support for pupils to take home for consolidation and revision Phased practice of all the basics which are accessible to pupils Help Yourself at the end of each chapter Lexicons containing key words provide additional support for ESL and other slow learners Designing Patterns Daniel Lynn Watt,2006 In this module designed for grades three to five students design patterns to be used in a headdress or similar linear strip They explore properties of shapes lines of symmetry and part to part and part to whole relationships The module provides numerous opportunities for the teacher to extend and adapt this curriculum from further explorations of fractions to Yup ik cultural knowledge About the Series Math in a Cultural Context This series is a supplemental math curriculum based on the traditional wisdom and practices of the Yup ik people of southwest Alaska The result of more than a decade of collaboration between math educators and Yup ik elders these modules connect cultural knowledge to school mathematics Students are challenged to communicate and think mathematically as they solve inquiry oriented problems which require creative practical and analytical thinking Classroom based research strongly suggests that students engaged in this curriculum can develop deeper mathematical understandings than students who engage only with a procedure oriented paper and pencil curriculum **Glencoe Mathematics** ,2001 **Geometry for Christian Schools** Kathy D. Pilger,Ron Tagliapietra,1999 The colorful student text presents concepts with numerous examples and step by step explanations At the end of each exercise set is a systematic cumulative review Just as model cars

represent key features of real cars geometry represents key features of God's creation Model cars represent the shape and scale of real cars even though they are too small to be used for transportation Likewise geometry shows the relationships among measurements such as lengths and areas as well as the reasons for such relationships Thus geometry is a mathematical model

Publisher **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 *School Library Journal*, 1986 **Addison-Wesley Informal Geometry**, 1992

Pre-algebra Phares G. O'Daffer, 1992 Pre algebra text with accompanying workbook and teacher's materials provides a program in mathematics which is a transition from arithmetic to algebra Includes decimals number theory equations percent ratio area and volume statistics and square roots **Special Edition Using Microsoft Office Excel 2007** Bill

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