

Chapter 7 Mid-Chapter Test

(Lessons 7-1 through 7-4)

SCORE _____

Part I Write the letter for the correct answer in the blank at the right of each question.

1. Polygon $ABCD$ is similar to polygon $PQRS$. Which proportion must be true?

- A $\frac{AC}{AD} = \frac{PQ}{PS}$ B $\frac{BC}{CD} = \frac{QR}{RS}$ C $\frac{AB}{BD} = \frac{PQ}{QR}$ D $\frac{CD}{AB} = \frac{PQ}{RS}$

1. B

2. This fall, 126 students participated in the soccer program, while 54 played volleyball. What was the ratio of soccer players to volleyball players?

- F $\frac{3}{4}$ G $\frac{3}{7}$ H $\frac{4}{3}$ J $\frac{7}{3}$

2. J

3. The ratio of the measures of the angles of a triangle is 2:3:10. What is the least angle measure?

- A 12 B 15 C 24 D 36

3. C

4. Find the value of x .

- F 2 H 6
G 4.8 J 6.4



4. J

5. Rectangle $ABCD \sim$ rectangle $EFGH$, the perimeter of $ABCD$ is 54 centimeters and the perimeter of $EFGH$ is 36 centimeters. What is the scale factor of $ABCD$ to $EFGH$?

- A $\frac{2}{3}$ B $\frac{3}{2}$ C $\frac{3}{5}$ D $\frac{5}{3}$

5. B

Part II

For Questions 6 and 7, determine whether each pair of triangles is similar. Justify your answer.



6. No; SAS does not apply.

7. yes; SAS Similarity

8. Determine whether $\overline{MN} \parallel \overline{KL}$. Justify your answer.



9. Find DE .



8. Yes, parallel; $\frac{JM}{JN} = \frac{JK}{JL}$

9. 9

10. **RECTANGLES** A rectangle has a perimeter of 14 inches. A similar rectangle has a perimeter of 10 inches. If the length of the larger rectangle is 4 inches, what is the length of the smaller rectangle? Round to the nearest tenth.

10. 2.9 in.

Chapter 7 Test Geometry

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Chapter 7 Test Geometry:

Scott, Foresman Geometry: Tests, 1990 **Princeton Review SAT Subject Test Math 1 Prep, 3rd Edition** The Princeton Review, 2019-12-10 SAT Subject Test Math 1 Prep 3rd Edition provides students with step by step problem solving strategies comprehensive review of all essential content including Algebra I II Geometry and Probability practice problems with detailed information for every type of problem on the test 2 full length practice tests and much more This 3rd edition includes a new quick look Study Guide expanded answer explanations and access to a new Online Student Tools section with additional college admissions help and info **McGraw-Hill's SSAT/ISEE, 3rd Edition** Nicholas Falletta, 2012-04-05 A nationally known test prep teacher gives you the edge over the SSAT ISEE McGraw Hill s SSAT ISEE offers complete coverage of both forms grades 6 8 and 9 12 of the Secondary School Admission Test SSAT and all three forms grades 5 6 7 8 and 9 12 of the Independent School Entrance Examination ISEE the two exams required for admission by more than 2 000 private high schools nationwide and overseas Inside you ll find 5 full length sample tests two practice SSATs and three practice ISEEs with complete answer explanations Top 30 Tips for higher scores on test day Step by step review of all topics covered on the two exams Practical information for test takers Foreword by the Dean of Admission the Lawrenceville School

CliffsNotes ACT BTPS Testing, 2013-07-30 Subject review materials for every subject discipline tested on the ACT Extensive math review aimed at what test takers will encounter when taking the ACT Three full length ACT practice tests with answers and detailed answer explanations **McGraw-Hill's CBEST** McGraw Hill, 2011-02-22 From the most trusted name in educational publishing comes this complete preparation for the entrance exam required by California s Department of Education McGraw Hill s CBEST offers you complete preparation for the CBEST California Basic Educational Skills Test which is required for teacher licensure in the state of California and is also accepted by the state of Oregon in lieu of the Praxis The test consists of three sections Reading 50 multiple choice questions Mathematics 50 multiple choice questions and Writing 2 essay topics This test guide includes skill building drills in every topic area with more than 300 practice questions for maximum test prep values The included diagnostic exam helps you focus your preparation efforts Features Review of all topics tested mathematics reading and writing Three full length practice tests Practice with sample tests modeled on the real exam Test taking tips and strategies Information about Traditional Route and Alternate Inside information on launching and pursuing a teaching career Topics include Introduction to the California Basic Educational Skills Test The Exam Test Taking Strategies Diagnostic CBEST CBEST Reading CBEST Mathematics Estimation Measurement and Statistical Principles CBEST Mathematics Computation and Problem Solving CBEST Mathematics Numerical and Graphic Relationships Writing Scott Foresman-Addison Wesley Mathematics, 2008 *McGraw-Hill's SSAT/ISEE, 2ed* Nicholas Falletta, 2009-02-01 Unlike competing books it covers both forms grades 6 8 and 9 12 of the SSAT and all three forms grades 5 6 7 8 and 9 12 of the ISEE Includes five full length sample tests two practice SSATs and three practice ISEEs with complete answer explanations

Bonus chapter What to Expect at a Private High School by Gregg W M Maloberti Dean of Admission at the elite Lawrenceville School

Computation for the Analysis of Designed Experiments Richard Heiberger,1989-09-08 Addresses the statistical mathematical and computational aspects of the construction of packages and analysis of variance ANOVA programs Includes a disk at the back of the book that contains all program codes in four languages APL BASIC C and FORTRAN Presents illustrations of the dual space geometry for all designs including confounded designs

Excel Essential Skills A. S. Kalra,2004 This book is suitable for students studying Year 9 Mathematics It has been specifically written to help students revise their work and succeed in all their class tests half yearly and yearly exams This is a revised and extended edition with over fifty extra pages of work for students to complete In this book you will find Topics covering the complete Year 9 Australian Curriculum Mathematics course Over 170 pages of practice exercises Fifteen topic tests Four practice exams Answers to all questions

Basic Skills Curriculum, Grade 6 McGraw-Hill,2000-09 This updated series reinforces necessary skills in reading comprehension vocabulary grammar writing math applications problem solving test taking and more More than 600 pages Answer key included CD ROMs are PC and Macintosh compatible

Ice Mechanics and Risks to Offshore Structures T. Sanderson,1988-05-31 This is a book for which Arctic ice engineers and scientists have been waiting for years It is the first reference text to deal in a comprehensive way with ice loads on marine structures It is also written in a clear and attractive style and it is a pleasure to read

Polar Record

3D Seismic Survey Design Gijs J. O. Vermeer,2012 Since the first edition of 3D Seismic Survey Design appeared in 2002 seismic data acquisition has seen many changes most of which have been captured in this second edition This book by Gijs Vermeer describes in detail the properties of 3D acquisition geometries and shows how these properties naturally lead to the 3D symmetric sampling approach to 3D survey design Many examples from the literature are used to illustrate good and less good choices of acquisition parameters The link between survey parameters and noise suppression as well as imaging is an intrinsic part of the contents This book should be of great interest to the designer of 3D seismic surveys but also to every geophysicist who uses 3D seismic data to retrieve accurate information on the properties of the subsurface

Glencoe Algebra 1 McGraw-Hill/Glencoe,1997-03

Math the Easy Way Anthony Prindle,Katie Prindle,1996 The newest edition of this useful review covers basic arithmetic fractions decimals percents word problems and introductions to algebra and geometry Rules and definitions are clearly presented along with hundreds of exercises and examples A diagnostic exam end of chapter tests and a final comprehensive exam help students measure learning progress Answers included

Mathematics Douglas R. Bumby,1978

Fundamentals of Mathematics Jack Barker,James Rogers,James Van Dyke,1991

Space Vehicle Mechanisms Peter L. Conley,1998-02-27 The first comprehensive reference on the design analysis and application of space vehicle mechanisms

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Chapter 7 Test Geometry Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Chapter 7 Test Geometry**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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