

STAAR ALGEBRA I REFERENCE MATERIALS



FACTORING

Perfect square trinomials

$$\begin{aligned}a^2 + 2ab + b^2 &= (a + b)^2 \\a^2 - 2ab + b^2 &= (a - b)^2\end{aligned}$$

Difference of squares

$$a^2 - b^2 = (a - b)(a + b)$$

PROPERTIES OF EXPONENTS

Product of powers

$$a^m a^n = a^{(m+n)}$$

Quotient of powers

$$\frac{a^m}{a^n} = a^{(m-n)}$$

Power of a power

$$(a^m)^n = a^{mn}$$

Rational exponent

$$a^{\frac{m}{n}} = \sqrt[n]{a^m}$$

Negative exponent

$$a^{-n} = \frac{1}{a^n}$$

LINEAR EQUATIONS

Standard form

$$Ax + By = C$$

Slope-intercept form

$$y = mx + b$$

Point-slope form

$$y - y_1 = m(x - x_1)$$

Slope of a line

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

QUADRATIC EQUATIONS

Standard form

$$f(x) = ax^2 + bx + c$$

Vertex form

$$f(x) = a(x - h)^2 + k$$

Quadratic formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Axis of symmetry

$$x = \frac{-b}{2a}$$

Geometry Staar Reference Chart

**BarCharts, Inc, ExpoLog, LLC, S. B.
Kizlik**

A red circular graphic with a gradient, appearing as a partial circle or a thick arc, located to the right of the text box.

Geometry Staar Reference Chart:

STAAR Test Algebra I Reference Chart Workbook /Study Guide Anthony Pecina,2013-08-07 The State of Texas Assessments of Academic Readiness assessment for Algebra I provides a reference chart to complete the end of course exam The purpose of this study guide is to reinforce all the geometry equations on the S T A A R Algebra I reference chart The reference chart provides the equations for the geometric concepts being assessed from TEKS Texas Essential Knowledge and Skills TEKS are the state standards for courses taught in Texas public schools This study guide reviews or teaches all the geometry equations provided on the reference chart Each section in this book is in sequential order of the S T A A R Algebra I reference chart geometry section available at the time of this publication *Geometry Worksheets for Substitute Teachers* Anthony Pecina,2014-07-17 This workbook includes worksheets for 18 basic Geometry concepts Each worksheet packet covers terminology equation s for each concept practice problems using geometric shapes and word problems using algebra skills These worksheets are designed for students to be self directed so they are excellent practice worksheets when a substitute teacher is needed for the day But of course they are also meant to be a classroom resource for Geometry Algebra teachers to use for review class work or for homework For Texas Teachers reviewing for the Algebra I EOC the purpose of this study guide is to reinforce all the geometry equations on the S T A A R Algebra I reference chart Geometry Part 2 BarCharts, Inc,S. B. Kizlik,2001-03 Part 2 of our coverage of the fundamental structure of geometry **Geometry ,**

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Geometry 1 Research and Education Association,2009-11-11 Fast Facts at Your Fingertips REA s Quick Access Study Charts contain all the information students teachers and professionals need in one handy reference They provide quick easy access to important facts The charts contain commonly used mathematical formulas historical facts language conjugations vocabulary and more Great for exams classroom reference or a quick refresher on the subject Most laminated charts consist of 2 fold out panels 4 pages that fit into any briefcase or backpack Each chart has a 3 hole punch for easy placement in a binder Each chart measures 8 1 2 x 11 **Geometry** Steve Slavin,Ginny Crisonino,2004-10-28 Learn geometry at your own pace What are congruent circles How do you find the hypotenuse of a triangle What is the sum of the angles in a decagon How can you apply geometric equations to your daily life With the unbeatable study companion Geometry A Self Teaching Guide you ll discover the answers to these questions and many more This thorough primer presents an easy to follow proven method for grasping the key concepts of geometry You ll progress step by step through plane solid and analytic geometry and then move on to geometric applications for calculus You ll build your problem solving skills along the way through detailed examples reviews exercises and answer explanations The clearly structured format of Geometry makes it fully accessible providing an easily understood comprehensive overview for everyone from high school students to adult learners to math mavens Like all Self Teaching Guides Geometry allows you to build gradually on what you have learned at your own pace Questions and self tests reinforce the information in each chapter and allow you to skip ahead or focus on specific areas of concern Packed with useful up to date information this clear concise volume is a valuable learning tool and reference source for anyone who wants to improve his or her understanding of basic geometry **SWYK on STAAR Math Gr. 5, Parent/Teacher Edition** Show What You Know Publishing,2013-03-01 Correlates with the Student Workbook Reviews the

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Schaum's Outline of Geometry Barnett Rich,1999-12-27 Three million high school students and 172 000 college students enroll in geometry classes every year Schaum s Outline of Geometry Third Edition is fully updated to reflect the many changes in geometry curriculum including new terminology and notation and a new chapter on how to use the graphing calculator Geometry Part 1 S. B. Kizlik,2001-02-19 Coverage of the fundamental structure of geometry Part 1 of two guides on geometry Geometry Part 2 (Speedy Study Guides) Speedy Publishing,2015-05-25 You ve touched the introduction to geometry in a previous study guide In this study guide you will continue to be briefed on more shapes as well as how to encompass common problems on areas and other equations needing solutions Formulas that should be remembered to correctly identify an answer will also be discussed in this guide Perfect for professionals and students this valuable resources is a geometric must have **Geometry** Sonal Bhatt,Rebecca Dayton,2014-07-01 Just about everyone takes a geometry class at one time or another And while some people quickly grasp the concepts most find geometry challenging Covering everything one would expect to encounter in a high school or college course Idiot s Guides Geometry covers everything a student would need to know This all new book will integrate workbook like practice questions to

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1. This book is structured into several chapters, namely:

- Chapter 1: Introduction to Geometry Staar Reference Chart
- Chapter 2: Essential Elements of Geometry Staar Reference Chart
- Chapter 3: Geometry Staar Reference Chart in Everyday Life
- Chapter 4: Geometry Staar Reference Chart in Specific Contexts
- Chapter 5: Conclusion

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6. In chapter 5, this book will draw a conclusion about Geometry Staar Reference Chart. This chapter will summarize the key points that have been discussed throughout the book.

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