

8th Grade Math Review

NC EOG IMPORTANT TOPICS

FORMULAS

Volume of a Cylinder: $\pi r^2 h$

Volume of a Cone: $\frac{1}{3} \pi r^2 h$

Volume of a Sphere: $\frac{4}{3} \pi r^3$

Slope-Intercept Form: $y = mx + b$

Slope Formula: $\frac{y_2 - y_1}{x_2 - x_1}$

Area of a Square: $A = s^2$

Area of a Rectangle: $A = l \times w$

Area of a Triangle: $A = \frac{1}{2}bh$

APPROXIMATING IRRATIONAL NUMBERS

$$\sqrt{27} \approx 5.196$$

Pythagorean Theorem



For finding the hypotenuse:
 $\sqrt{a^2 + b^2} = c$

For finding a leg:
 $a^2 + b^2 = c^2$

For finding a leg:
 $\sqrt{c^2 - a^2} = b$

SYSTEM OF EQUATIONS



SCATTERPLOT RELATIONSHIPS



WRITING LINEAR EQUATIONS

Find the Slope, Pick a Point, Plug it in.

INTERIOR & EXTERIOR ANGLES OF TRIANGLES



TRANSFORMATIONS



INVERSE OPERATIONS


$$+ \leftrightarrow -$$

$$\times \leftrightarrow \div$$


$$\sqrt{} \leftrightarrow ^2$$

Proportional Relationships

Types of Slope:



From a Table or Points:



Graph a Line:

Write the Equation:

Oaa Math Study Guide 8th Grade

Roman Wölfel



Oaa Math Study Guide 8th Grade:

Oaa Math Study Guide 8th Grade Book Review: Unveiling the Magic of Language

In an electronic 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 "**Oaa Math Study Guide 8th Grade**," written by a very 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 in to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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