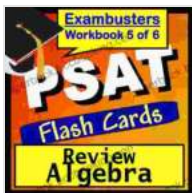


Unleash Your PSAT Potential: Secrets Revealed with Exambusters PSAT Test Prep Algebra Review Flashcards

Embark on the Path to PSAT Success

Are you gearing up for the PSAT and feeling overwhelmed by the vastness of algebraic concepts? Look no further than Exambusters PSAT Test Prep Algebra Review Flashcards, your ultimate weapon to conquer the PSAT!



PSAT Test Prep Algebra Review Flashcards--PSAT Study Guide Book 5 (Exambusters PSAT Study Guide)

★★★★★ 5 out of 5

Language : English
File size : 16884 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 1040 pages
Lending : Enabled



Our meticulously crafted flashcards are designed to provide you with a comprehensive review of all essential algebra topics tested on the PSAT. From linear equations and inequalities to quadratic equations and functions, these flashcards cover everything you need to know.

Unveiling the Treasures within

- **Comprehensive Coverage:** Dive into a deep well of algebraic concepts, ensuring a thorough understanding.
- **Clear and Concise Explanations:** Grasp algebraic principles with ease through our straightforward explanations.
- **Targeted Practice:** Hone your skills with targeted practice questions, solidifying your understanding.
- **Convenient and Portable:** Study anytime, anywhere with our portable flashcards.
- **Expertly Curated:** Trust the expertise of our team of educators, who have meticulously crafted these flashcards to align perfectly with the PSAT.

Unlock a World of Benefits

By embracing Exambusters PSAT Test Prep Algebra Review Flashcards, you unlock a treasure trove of benefits:

- **Master Algebraic Concepts:** Gain a deep comprehension of algebraic principles, empowering you to tackle PSAT math questions with confidence.
- **Build Unwavering Confidence:** Repeated exposure to algebraic concepts builds a rock-solid foundation, fueling your confidence on test day.
- **Maximize Your PSAT Score:** Seize the opportunity to maximize your PSAT score by honing your algebraic skills and strategic thinking.
- **Reduce Study Time:** Our flashcards are designed for optimal efficiency, allowing you to maximize your study time and effort.

- **Ace the PSAT with Ease:** With Exambusters PSAT Test Prep Algebra Review Flashcards, conquering the PSAT becomes a breeze.

Sneak Peek: Sample Flashcards Revealed

Get a glimpse into the brilliance of Exambusters PSAT Test Prep Algebra Review Flashcards with these sample flashcards:

Quadratic Formula

when $ax^2 + bx + c = 0$

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

$$|4x + 2| - 6 = 8$$

$$|4x + 2| = 14$$

$$4x + 2 = +14$$

$$\frac{4x}{4} = \frac{12}{4}$$

$$x = 3$$

$$4x + 2 = -14$$

$$\frac{4x}{4} = \frac{-16}{4}$$

$$x = -4$$

Writing a Slope-Intercept Equation (if you know two points, (x_1, y_1) and (x_2, y_2))

Step One: Find the slope, m

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

Step Two: Substitute m and the coordinates of either point into $y = mx + b$ to solve for the y-intercept, b

$$y_1 = mx_1 + b \rightarrow b = y_1 - mx_1$$

OR

$$y_2 = mx_2 + b \rightarrow b = y_2 - mx_2$$

Step Three: Plug m and b into slope-intercept equation

$$y = mx + b$$

SLOPE

Slope is the steepness of a line.

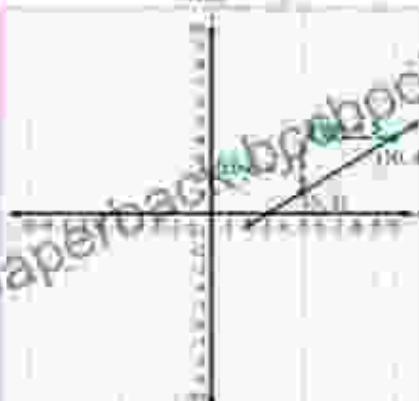
$$\text{Slope} = \frac{\text{Rise}}{\text{Run}}$$

Rise is the vertical change.

Run is the horizontal change.

$$\text{Slope} = \frac{y_2 - y_1}{x_2 - x_1}$$

$$\text{Slope} = \frac{\text{Rise}}{\text{Run}} = \frac{2}{3}$$



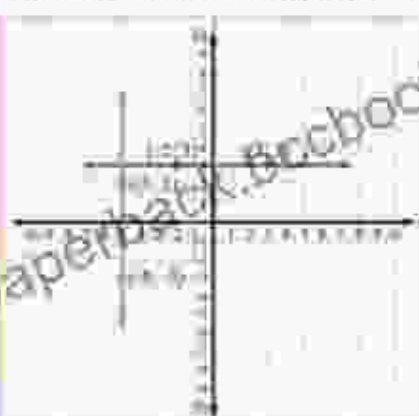
Lines with positive slope rise from left to right.

$$\text{Slope} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 1}{-3 - 1} = \frac{1}{-4} = -\frac{1}{4}$$



Lines with negative slope fall from left to right.

A horizontal line has a slope of zero.



A vertical line has an undefined slope.

Solving Systems of Equations by Substitution

Name: _____

Remarks: _____

$$y = -7x - 4$$

$$y = -18$$

$$(2, -18)$$

$$4x + 14y = -70$$

$$15x + 4y = -174$$

$$(-14, 9)$$

$$y = 8x + 13$$

$$y = 15x + 83$$

$$(-5, 8)$$

$$y = 5x$$

$$y = -7x$$

$$(0, 0)$$

$$6x - 12y = -252$$

$$2x + y = 42$$

$$(14, 34)$$

$$y = \frac{1}{6}x + 9$$

$$y = 13x - 299$$

$$(24, 13)$$

$$y = \frac{3}{4}x + 13$$

$$y = 7$$

$$(-8, 7)$$

$$y = 12x + 6$$

$$y = -18$$

$$(-2, -18)$$

$$y = \frac{3}{5}x + 3$$

$$y = -9$$

$$(-20, -9)$$

$$y = 9x - 3$$

$$y = -8x + 78$$

$$(9, 6)$$



Solve the System of Equations

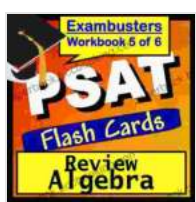
$$\begin{cases} x + y = 4 \\ 3x + 3y = 12 \end{cases}$$

Seize the PSAT Victory

Don't let the PSAT be a daunting challenge. Empower yourself with Exambusters PSAT Test Prep Algebra Review Flashcards today.

Free Download Now

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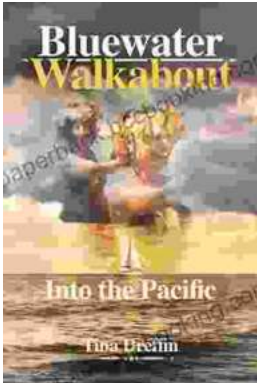


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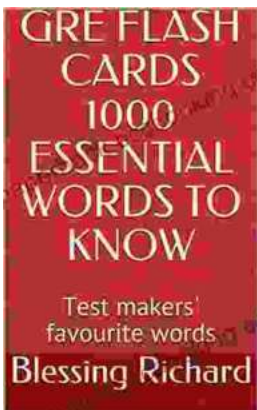
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