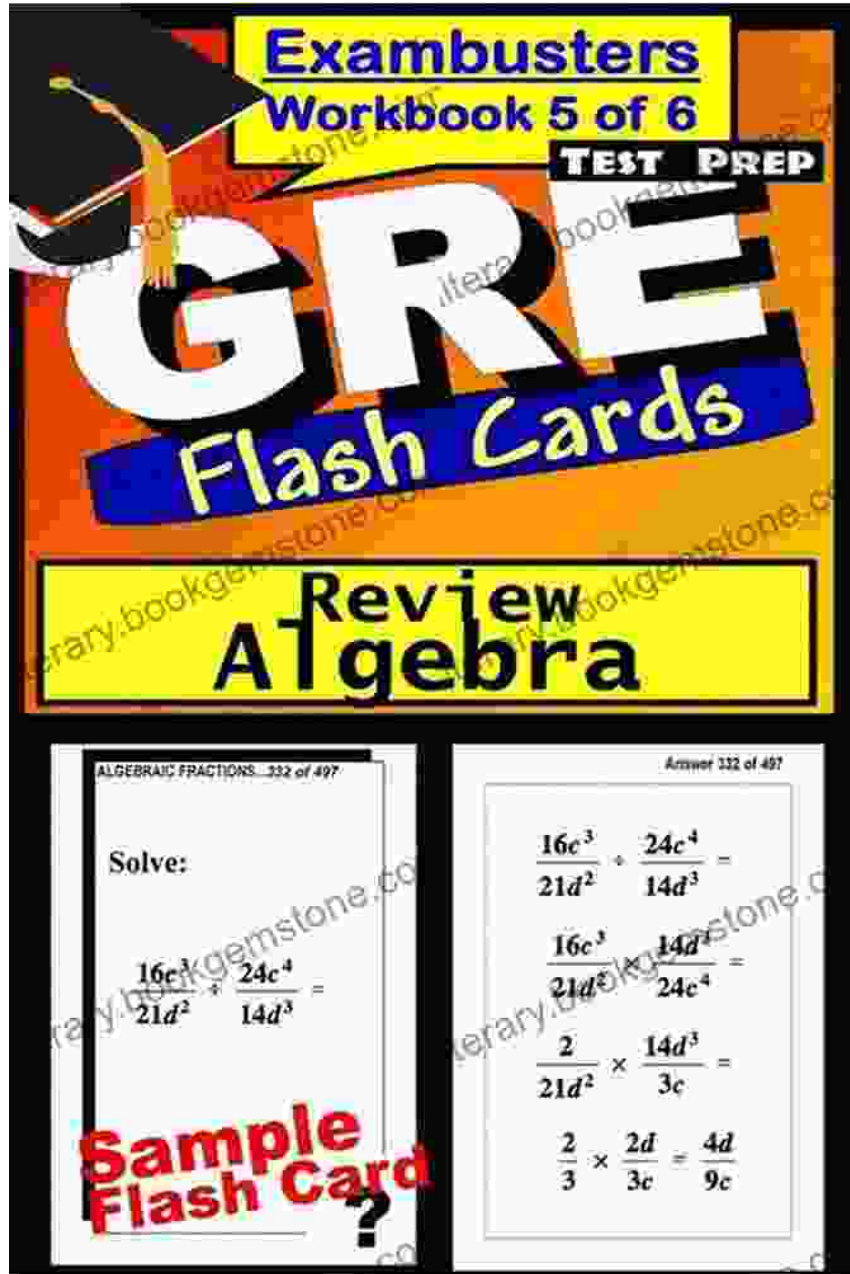
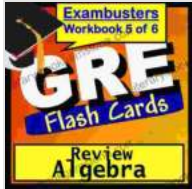


GRE Test Prep Algebra Review Flashcards: Ace the GRE with Exambusters' Study Guide



The GRE (Graduate Record Examination) is a standardized test required for admission to many graduate schools in the United States and Canada. The test consists of three sections: Verbal Reasoning, Quantitative

Reasoning (Math), and Analytical Writing. The Quantitative Reasoning section tests your knowledge of basic algebra, geometry, data analysis, and probability.



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

by Ray Scapinello

★★★★☆ 4.7 out of 5

Language : English

File size : 16851 KB

Text-to-Speech : Enabled

Screen Reader : Supported

Enhanced typesetting : Enabled

Print length : 1040 pages

Lending : Enabled



If you're preparing for the GRE, it's important to brush up on your algebra skills. One way to do this is to use flashcards. Flashcards are a great way to learn and review information, and they're especially helpful for memorizing formulas and equations.

In this article, we'll provide you with a comprehensive set of GRE algebra review flashcards. These flashcards will cover all of the algebra topics that you need to know for the GRE, including:

- Basic algebra operations
- Solving equations and inequalities
- Factoring polynomials

- Graphing linear and quadratic equations
- Solving systems of equations
- Absolute value equations and inequalities
- Logarithmic and exponential equations
- Radicals and rational exponents

Using the Flashcards

There are several ways to use these flashcards. You can:

- **Review the material before taking the GRE.** This will help you refresh your memory and ensure that you're familiar with all of the algebra topics that you need to know.
- **Use the flashcards to practice solving problems.** This will help you improve your problem-solving skills and build your confidence.
- **Take the flashcards with you on the day of the GRE.** This will give you a quick review of the material before the test.

No matter how you use them, these flashcards are a valuable resource for preparing for the GRE. So, download them today and start studying!

Flashcards

What is the distributive property?

The distributive property is a mathematical property that states that the multiplication of a sum by a number is equal to the sum of the products of the number and each of the addends.

Example: $3(x + 2) = 3x + 6$

How do you solve a linear equation?

To solve a linear equation, you need to isolate the variable on one side of the equation. You can do this by adding or subtracting the same number from both sides of the equation, or by multiplying or dividing both sides of the equation by the same non-zero number.

Example: To solve the equation $3x + 5 = 14$, you would subtract 5 from both sides of the equation: $3x = 9$. Then, you would divide both sides of the equation by 3: $x = 3$.

How do you factor a quadratic equation?

There are several methods for factoring a quadratic equation. One common method is to use the quadratic formula: $ax^2 + bx + c = 0$.

Example: To factor the equation $x^2 + 5x + 6 = 0$, you would use the quadratic formula: $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$. Plugging in the values of a, b, and c, you would get: $x = \frac{-5 \pm \sqrt{5^2 - 4(1)(6)}}{2(1)}$. Simplifying, you would get: $x = \frac{-5 \pm \sqrt{1}}{2}$. Therefore, the factors of the equation are $(x - 2)$ and $(x + 3)$.

How do you graph a linear equation?

To graph a linear equation, you need to find the slope and y-intercept of the line. The slope is the ratio of the change in y to the change in x. The y-intercept is the point where the line crosses the y-axis.

Example: To graph the equation $y = 2x + 1$, you would first find the slope and y-intercept. The slope is 2, and the y-intercept is 1. You would then plot these two points on a graph and draw a line connecting them.

How do you solve a system of equations?

There are several methods for solving a system of equations. One common method is to use the substitution method. To use the substitution method, you would solve one of the equations for one of the variables, and then substitute that expression into the other equation. You can then solve the remaining equation for the other variable.

Example: To solve the system of equations $y = 2x$ and $x + y = 5$, you would first solve the equation $y = 2x$ for x : $x = y/2$. You would then substitute $y/2$ for x in the equation $x + y = 5$: $y/2 + y = 5$. Simplifying, you would get: $3y/2 = 5$. Solving for y , you would get: $y = 10/3$. You could then substitute this value of y back into the equation $y = 2x$ to find the value of x : $2x = 10/3$, so $x = 5/3$.

What is the difference between an absolute value equation and an inequality?

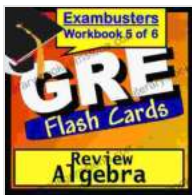
An absolute value equation is an equation that contains an absolute value expression. An absolute value inequality is an inequality that contains an absolute value expression.

Example: The equation $|x| = 3$ is an absolute value equation. The inequality $|x| > 3$ is an absolute value inequality.

How do you solve a logarithmic equation?

To solve a logarithmic equation, you need to use the properties of logarithms. One common property of logarithms is that the logarithm of a product is equal to the sum of the logarithms of the factors. Another common property of logarithms is that the logarithm of a quotient is equal to the difference of the logarithms of the numerator and denominator.

Example: To solve the equation $\log(x^2 + 1) = 2$, you would first use the property of logarithms that states that the logarithm of a product is equal to the sum of the logarithms of the factors: $\log(x^2) + \log(1) = 2$. Simplifying, you would get: $2 \log(x) = 2$. Dividing both sides of the equation by 2, you would get: $\log(x) =$



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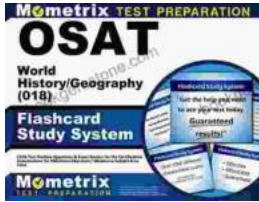
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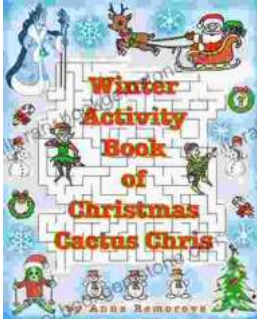
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