

Math

Evaluate numerical expressions involving signed numbers, positive integer exponents, order of operations and parentheses. 1

1 Evaluate numerical expressions involving signed numbers, positive integer exponents, order of operations and parentheses. 1

Evaluate algebraic expressions at specified values of their variables using signed numbers, positive integer exponents, order of operations and parentheses. 2

2 Evaluate algebraic expressions at specified values of their variables using signed numbers, positive integer exponents, order of operations and parentheses. 2

Perform arithmetic calculations involving fractions, decimals and percents. 3

3 Perform arithmetic calculations involving fractions, decimals and percents. 3

Order fractions and decimals on a number line. 4

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Solve applied arithmetic problems using appropriate units, including problems involving percentage increase and decrease, rates and proportions. 5

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Solve simple geometry problems involving properties of rectangles and triangles. 6

6 Solve simple geometry problems involving properties of rectangles and triangles. 6

Solve simple coordinate geometry problems. 7

7 Solve simple coordinate geometry problems. 7

Add and subtract polynomials. 8

8 Add and subtract polynomials. 8

Multiply polynomials. 9

9 Multiply polynomials. 9

Simplify algebraic expressions involving positive and negative integer exponents, and square roots. 10

10 Simplify algebraic expressions involving positive and negative integer exponents, and square roots. 10

Factor a polynomial in one or more variables by factoring out its greatest common factor; factor a quadratic polynomial. 11

11 Factor a polynomial in one or more variables by factoring out its greatest common factor; factor a quadratic polynomial. 11

Add, subtract and multiply simple rational expressions. 12

12 Add, subtract and multiply simple rational expressions. 12

Simplify a rational expression. 13

13 Simplify a rational expression. 13

Solve a linear equation. 14

14 Solve a linear equation. 14

Solve a multivariable equation for one of its variables. 15

15 Solve a multivariable equation for one of its variables. 15

Use a linear equation to solve a simple word problem. 16

16 Use a linear equation to solve a simple word problem. 16

Solve a linear inequality. 17

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Find the slope of a line given two points on the line or its equation; find the equation of a line

18 Find the slope of a line given two points on the line or its equation; find the equation of a line given two points on the line, or a point on the line and the slope of the line. 18

given two points on the line, or a point on the line and the slope of the line. 18

Graph a line given its equation; find the equation of a line given its graph. 19

19 Graph a line given its equation; find the equation of a line given its graph. 19

Solve a quadratic equation by factoring or by using the quadratic formula. 20

20 Solve a quadratic equation by factoring or by using the quadratic formula. 20

Solve a system of two linear equations in two variables. 21

21 Solve a system of two linear equations in two variables. 21