

**Unit 1:** Commutative property, Distributive property, Equation, Equivalent, Evaluate, Expression, Graphic solution, Inverse operation, Numeric solution, Proportions, Rates, Reciprocal, Simplify, Solve, Terms, Literal Equation

**Unit 2:** Exponential Function, Function, Function Notation, Linear Function, Domain, Range, Relation, Decreasing function, Dependent variable, Increasing function, Independent variable, Quadratic function, Representations

**Unit 3:** rate, slope, direct variation, proportional, Decreasing, Dependent, Equation notation, Function notation, Horizontal change, Increasing, Independent, Parameter change, Parent function, Point slope form,  $y - y_1 = m(x - x_1)$ , Rate of change, Slope-intercept form,  $y = mx + b$ , Standard form,  $ax + by = c$ , Vertical change, inequality, Slope of a Line, x-intercepts, y-intercepts, zeros, Perpendicular and Parallel equations, reciprocal, transformation, stretch, compress, best fit line, regression, correlation factor, trend lines

**Unit 4:** equations of lines, point-slope form,  $y - y_1 = m(x - x_1)$ , proportionality, coinciding lines, elimination, feasible region, intersection, linear combination, parallel lines, solutions to systems of equations (empty set (no solution), one point solution, infinite points on coinciding lines), solutions to systems of inequalities (no solution, feasible region of points), substitution

**Unit 5:** Laws of exponents, Numeric solution, Reciprocal, Polynomial division (long division), rational expression, radical, square root, cube root, Hypotenuse, Legs, Sum of the Squares, Square root

**Unit 7:** degree, polynomial, binomial, trinomial, monomial, constant, linear, quadratic, cubic, completing the square, expression, equivalence, factoring, index, mathematical formulas, quadratic formula, radical sign, radicand, roots, scientific formulas, simplifying, solutions, square root, x-intercept, radical, rational

**Unit 8:** area, axis of symmetry, dilation, finite difference, horizontal compression, horizontal shift, horizontal stretch, linear factors, parabola, parameter change, quadratic equation, reflection, roots, solutions, square roots, standard form, vertex, vertex form, vertical compression, vertical shift, vertical stretch, x-intercepts, zeros

**Unit 6:** attributes of exponential functions, attributes of linear functions, common difference, common ratio, continuous domain, discrete domain, domain, explicit notation, function (simplified), range, recursive notation

**Unit 9:** a value, b value, base, decreasing, exponent, increasing, initial value, rational number