lead4ward STAAR Vocabulary

Words extracted directly from the standard and/or associated with the instruction of the content within the standard.

READINESS STANDARDS - Algebra 1

(A.1) Foundations for functions. The student understands that a function represents a dependence of one quantity on another and can be described in a variety of ways. The student is expected to

 (D) represent relationships among quantities using [concrete] models, tables, graphs, diagrams, verbal descriptions, equations, and inequalities 	Equation, Inequality, Positive, Negative, Axes, Table, Independent, Dependent, Function, Area, Relationship
(E) interpret and make decisions, predictions, and critical judgments from functional relationships	Equation, Inequality, Positive, Negative, Axes, Table, Independent, Dependent, Function, Area, Relationship
(A.2) Foundations for functions. The student uses the properties a	nd attributes of functions. The student is expected to
(B) identify mathematical domains and ranges and determine reasonable domain and range values for given situations, both continuous and discrete; equations, and inequalities	Domain, Range, Continuous, Discrete, Intervals
(D) collect and organize data, make and interpret scatter plots (including recognizing positive, negative, or no correlation for data approximating linear situations), and model, predict, and make decisions and critical judgments in problem situations	Scatter plot, Positive correlation, Negative correlation
(A.4) Foundations for functions. The student understands the importance order to solve problems and uses the necessary algebraic skill equations and inequalities in problem situations. The student is	s required to simplify algebraic expressions and solve
 (A) find specific function values, simplify polynomial expressions, transform and solve equations, and factor as necessary in problem situations 	Polynomial, Expression, Factor
(A.5) Linear functions. The student understands that linear function among their various representations. The student is expected t	
(C) use, translate, and make connections among algebraic, tabular, graphical, or verbal descriptions of linear functions	Function, Linear, Standard form, Slope, Intercept, Slope-intercept form, Data set
(A.6) Linear functions. The student understands the meaning of the and zeros of linear functions and interprets and describes the ereal-world and mathematical situations. The student is expected	effects of changes in parameters of linear functions in
(B) interpret the meaning of slope and intercepts in situations using data, symbolic representations, or graphs	X-intercept, Y-intercept, Slope, Rate of change
(C) investigate, describe, and predict the effects of changes in m and b on the graph of y = mx + b	Linear function, X-intercept, Y-intercept, Increasing function, Decreasing function, Steeper
(F) interpret and predict the effects of changing slope and y-intercept in applied situations	Linear function, X-intercept, Y-intercept, Increasing function, Decreasing function, Steeper

READINESS STANDARDS - Algebra	1
(A.7) Linear functions. The student formulates equations and ineque methods to solve them, and analyzes the solutions in terms of t	· · · · · · · · · · · · · · · · · · ·
(B) investigate methods for solving linear equations and inequalities using [concrete] models, graphs, and the properties of equality, select a method, and solve the equations and inequalities	Solution set, Inequality, Linear function, Intersection, Standard form
(A.8) Linear functions. The student formulates systems of linear eq methods to solve them, and analyzes the solutions in terms of	
(B) solve systems of linear equations using [concrete] models, graphs, tables, and algebraic methods	System of linear equations, Standard form, Plot
(A.9) Quadratic and other nonlinear functions. The student under affected by the parameters of the function and can interpret and of quadratic functions. The student is expected to	
(D) analyze graphs of quadratic functions and draw conclusions	Parabola, Quadratic, Projectile, Time versus distance
(A.10) Quadratic and other nonlinear functions. The student under quadratic equation and solves them using appropriate methods	
(A) solve quadratic equations using [concrete] models, tables, graphs, and algebraic methods	Roots, Quadratic equation, Solution, Zeros of a quadratic, X-intercept
SUPPORTING STANDARDS - Algeb	ra 1
(A.1) Foundations for functions. The student understands that a fur another and can be described in a variety of ways. The student	nction represents a dependence of one quantity on
(A.1) Foundations for functions. The student understands that a fu	nction represents a dependence of one quantity on
(A.1) Foundations for functions. The student understands that a fur another and can be described in a variety of ways. The student(A) describe independent and dependent quantities in functional	nction represents a dependence of one quantity on is expected to Independent, Dependent, Function, Relationship,
 (A.1) Foundations for functions. The student understands that a fur another and can be described in a variety of ways. The student (A) describe independent and dependent quantities in functional relationships (B) gather and record data and use data sets to determine 	nction represents a dependence of one quantity on is expected to Independent, Dependent, Function, Relationship, Quantity, Equation, Variable Independent, Dependent, Function, Relationship,
 (A.1) Foundations for functions. The student understands that a fur another and can be described in a variety of ways. The student (A) describe independent and dependent quantities in functional relationships (B) gather and record data and use data sets to determine functional relationships between quantities (C) describe functional relationships for given problem situations and write equations or inequalities to answer questions 	nction represents a dependence of one quantity on is expected to Independent, Dependent, Function, Relationship, Quantity, Equation, Variable Independent, Dependent, Function, Relationship, Quantity, Equation, Variable Independent, Dependent, Function, Equation, Inequalities
 (A.1) Foundations for functions. The student understands that a fur another and can be described in a variety of ways. The student (A) describe independent and dependent quantities in functional relationships (B) gather and record data and use data sets to determine functional relationships between quantities (C) describe functional relationships for given problem situations and write equations or inequalities to answer questions arising from the situations 	nction represents a dependence of one quantity on is expected to Independent, Dependent, Function, Relationship, Quantity, Equation, Variable Independent, Dependent, Function, Relationship, Quantity, Equation, Variable Independent, Dependent, Function, Equation, Inequalities
 (A.1) Foundations for functions. The student understands that a fur another and can be described in a variety of ways. The student (A) describe independent and dependent quantities in functional relationships (B) gather and record data and use data sets to determine functional relationships between quantities (C) describe functional relationships for given problem situations and write equations or inequalities to answer questions arising from the situations (A.2) Foundations for functions. The student uses the properties and (A) identify and sketch the general forms of linear (y = x) and 	nction represents a dependence of one quantity on is expected to Independent, Dependent, Function, Relationship, Quantity, Equation, Variable Independent, Dependent, Function, Relationship, Quantity, Equation, Variable Independent, Dependent, Function, Equation, Inequalities Ind attributes of functions. The student is expected to Linear, Line, Quadratic, Parabola, Parent function,
 (A.1) Foundations for functions. The student understands that a fur another and can be described in a variety of ways. The student (A) describe independent and dependent quantities in functional relationships (B) gather and record data and use data sets to determine functional relationships between quantities (C) describe functional relationships for given problem situations and write equations or inequalities to answer questions arising from the situations (A.2) Foundations for functions. The student uses the properties a (A) identify and sketch the general forms of linear (y = x) and quadratic (y = x2) parent functions (C) interpret situations in terms of given graphs or create 	 nction represents a dependence of one quantity on is expected to Independent, Dependent, Function, Relationship, Quantity, Equation, Variable Independent, Dependent, Function, Relationship, Quantity, Equation, Variable Independent, Dependent, Function, Equation, Inequalities Ind attributes of functions. The student is expected to Linear, Line, Quadratic, Parabola, Parent function, Correlation, Scatter plot Increasing, Decreasing, Decline, Rate, Scatter plot, Linear, Parabolic, Correlation, Exponential

A.3) Foundations for functions. The student understands how algorizes and uses the power of symbols to represent situation	
(B) look for patterns and represent generalizations algebraically	Expression, Equation, Variable, Functional notation
A.4) Foundations for functions. The student understands the impo in order to solve problems and uses the necessary algebraic sk solve equations and inequalities in problem situations. The student	ills required to simplify algebraic expressions and
(B) use the commutative, associative, and distributive properties to simplify algebraic expressions	Commutative, Associative, Distributive, Equality, Expressions, Equation, Equivalent, Monomial, Binomial, Trinomial, Polynomial
(C) connect equation notation with function notation, such as $y = x + 1$ and f (x) = x + 1	Function, Functional notation, Equality, Depender Independent, Variable
A.5) Linear functions. The student understands that linear function among their various representations. The student is expected to	
(A) determine whether or not given situations can be represented by linear functions	Linear function, Line, Constant rate, Rate of change
(B) determine the domain and range for linear functions in given situations	Domain, Range, Variable, Independent, Dependent, Set notation, Inequality, Real numbe Discrete, Continuous
A.6) Linear functions. The student understands the meaning of the functions and zeros of linear functions and interprets and descr functions in real-world and mathematical situations. The student	ibes the effects of changes in parameters of linear
(A) develop the concept of slope as rate of change and determine slopes from graphs, tables, and algebraic representations	Slope, Rate of change, Linear function, Line
(D) graph and write equations of lines given characteristics such as two points, a point and a slope, or a slope and Y-intercept	Point, Y-intercept, Slope, Linear function, Functio rule
(E) determine the intercepts of the graphs of linear functions and zeros of linear functions from graphs, tables, and algebraic representations	X-intercept, Y-intercept, Zeros, Roots, Solution, Linear function, Function rule
(G) relate direct variation to linear functions and solve problems involving proportional change	Proportion, Direct variation, Constant rate of change, Unit rate, Slope, Linear function
A.7) Linear functions. The student formulates equations and inequipment methods to solve them, and analyzes the solutions in terms of the solutions in terms of the solutions.	-
(A) analyze situations involving linear functions and formulate linear equations or inequalities to solve problems	Linear functions, Inequalities, Function rules
(C) interpret and determine the reasonableness of solutions to linear equations and inequalities	Reasonableness, Estimate, Linear equations, Linear equalities, Solution

SUPPORTING STANDARDS - Algeb	ra 1
(A.8) Linear functions. The student formulates systems of linear economic methods to solve them, and analyzes the solutions in terms of	
 (A) analyze situations and formulate systems of linear equations in two unknowns to solve problems 	Linear systems, Solution, Variable, Linear equations, Inequalities
(C) interpret and determine the reasonableness of solutions to systems of linear equations	Reasonableness, Estimate, Linear equations, Linear equalities, Linear systems, Solution
(A.9) Quadratic and other nonlinear functions. The student under affected by the parameters of the function and can interpret an of quadratic functions. The student is expected to	
(A) determine the domain and range for quadratic functions in given situations	Domain, Range, Quadratic functions, Variable, Se notation, Inequality, Real numbers
(B) investigate, describe, and predict the effects of changes in a on the graph of y = ax2 + c	Quadratic function, Coefficient, Constant, Y-intercept
(C) investigate, describe, and predict the effects of changes in c on the graph of y = ax2 + c	Quadratic function, Coefficient, Constant, Y-intercept
(A.10) Quadratic and other nonlinear functions. The student under quadratic equation and solves them using appropriate methods	
(B) make connections among the solutions (roots) of quadratic equations, the zeros of their related functions, and the horizontal intercepts (x-intercepts) of the graph of the function	X-intercept, Y-intercept, Zeros, Roots, Solution, Quadratic function, Function rule
(A.11) Quadratic and other nonlinear functions. The student under that are neither linear nor quadratic and models the situations.	-
•	Exponents, Exponential functions, Exponent laws,
(A) use patterns to generate the laws of exponents and apply them in problem-solving situations	Quadratic functions, Rate of change
(A) use patterns to generate the laws of exponents and apply	• • • • • • • • • • • • • • • • • • • •