Resource Algebra 1 Semester 1 Final Assessment Blueprint

Year Created: 2024-2025 **Method of Delivery:** Online
Subject: Math **Administration Window:** December Common Finals

Resources

Resource Algebra 1 Curriculum Map

Standards At-A Glance

Standard	Number of Items	Standard Description
MA.9-12.A1.A-CED.A.2	7	Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.
MA.9-12.A1.A-REI.C.6	2	Solve systems of linear equations exactly and approximately, focusing on pairs of linear equations in two variables. Include problem solving opportunities utilizing real-world context.
MA.9-12.A1.A-SSE.A.1	1	Interpret expressions that represent a quantity in terms of its context.
MA.9-12.A1.A-SSE.A.1.a	3	Interpret parts of an expression, such as terms, factors, and coefficients.
MA.9-12.A1.F-IF.A.1	1	Understand that a function from one set (called the domain) to another set (called the range) assigns to each element of the domain exactly one element of the range. If f is a function and x is an element of its domain, then $f(x)$ denotes the output of f corresponding to the input x. The graph of f is the graph of the equation $y = f(x)$.
MA.9-12.A1.F-IF.A.2	1	Evaluate a function for inputs in the domain, and interpret statements that use function notation in terms of a context.
MA.9-12.A1.F-IF.B.4	1	For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship. Include problem-solving opportunities utilizing real-world context. Key features include: intercepts; intervals where the function is increasing, decreasing, positive, or negative; relative maximums and minimums. Focus on linear, quadratic, exponential and piecewise-defined functions (limited to absolute value and step).
MA.9-12.A1.F-IF.C.7	1	Graph functions expressed symbolically and show key features of the graph, by hand in simple cases and using technology for more complicated cases. Focus on linear, quadratic, exponential and piecewise-defined functions (limited to absolute value and step).
MA.9-12.A1.F-LE.A.2	1	Construct linear and exponential functions, including arithmetic and geometric sequences, given a graph, a description of a relationship, or input/output pairs.
MA.9-12.A1.S-ID.C.7	1	Interpret the slope as a rate of change and the constant term of a linear model in the context of the data.

**Some items may be tagged to more than one standard.*

Depth of Knowledge

DOK	Number of Items
Level 1: Recall	7
Level 2: Skill/Concept	10
Level 3: Strategic Thinking	0

Item Types Included

Type	Number of Items	Description
MC	16	Multiple Choice - Select one answer
MR	1	Multiple Response - Select all correct answers