

A.REI.3 (DOK 2)	(DOK 1) I can
Solve linear equations and inequalities in one variable, including equations	• Recall properties of equality
with coefficients represented by letters	• Solve multi-step equations in one variable
	• Solve multi-step inequalities in one variable
	(DOK 2) I can
	• Determine the effect that rational coefficients have on the inequality
	symbol and use this to find the solution set.
	• Solve equations and inequalities with coefficients represented by
	letters.
F.IF.1(DOK 1)	(DOK 1) I can
Understand that a function from one set (called the domain) to another set	• Identify the domain and range of a function.
(called the range) assigns to each element of the domain exactly one element	• Determine if a relation is a function.
of the range. If f is a function and x is an element of its domain, then $f(x)$	• Determine the value of the function with proper notation (i.e. f(x)=y,
denotes the output of f corresponding to the input x. The graph off is the graph	the y value is the value of the function at a particular value of x)
of the equation $y = f(x)$ .	• Evaluate functions for given values of x
F.IF.2 (DOK 2)	(DOK 1) I can
Use function notation, evaluate functions for inputs in their domains, and	• Identify mathematical relationships and express them using function
interpret statements that use function notation in terms of a context.	notation.
	• Define a reasonable domain, which depends on the context and/or
	mathematical situation, for a function focusing on linear and
	exponential functions.
	• Evaluate functions at a given input in the domain, focusing on linear
	and exponential functions.
	(DOK 2) I can
	• Interpret statements that use functions in terms of real world situations,
	focusing on linear and exponential functions.
F.IF.4 (DOK 2)	(DOK 1) I can
For a function that models a relationship between two quantities, interpret key	• Define and recognize the key features in tables and graphs of linear and
features of graphs and tables in terms of the quantities, and sketch graphs	exponential functions: intercepts; intervals where the function is
snowing key features given a verbal description of the feationship. Key	increasing, decreasing, positive, or negative, and end behavior.
decreasing, notitive, or negative, relative maximums and minimums.	• Identify whether the function is linear or exponential, given its table or
decreasing, positive, or negative, relative maximums and minimums,	graph.
symmetries, end benavior, and periodicity.	(DOK 2) I can
	• Interpret key features of graphs and tables of functions in the terms of
	the contextual quantities the function represents.
	• Sketch graphs showing key features of a function that models a
	relationship between two quantities from a given verbal description of
	the relationship.

N.Q.1 (DOK 2) Use units as a way to understand problems and to guide the solution of multi- step problems; choose and interpret units consistently in formulas; choose and interpret the scale and the origin in graphs and data displays.	<ul> <li>(DOK 1) I can</li> <li>Calculate unit conversions.</li> <li>(DOK 2)</li> <li>Use given units and the context of a problem as a way to determine if the solution to a multi-step problem is reasonable (e.g. length problems dictate different units than problems dealing with a measure such as slope)</li> <li>Choose appropriate units to represent a problem when using formulas or graphing.</li> <li>Interpret units or scales used in formulas or represented in graphs. Use units as a way to understand problems and to guide the solution of multi-step problems.</li> </ul>
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