Enduring Understandings	Essential Questions	Indicators
		1.7.1.1 describe, extend, analyze, and represent a wide variety of patterns to investigate functional relationships and solve problems.
Functional relationships can be expressed verbally, graphically, numerically, and symbolically.	How can a function be identified?	1.7.1.2 determine whether functions are linear or nonlinear when given graphic examples.
		1.7.1.3 describe and apply the recursive relationship of simple arithmetic and geometric sequences verbally, in a table, or a graph.
Functions are used to solve real world problems.	What can be learned from studying functions?	1.7.4.1 use coordinate graphs to interpret patterns and relationships.
Geometric figures can change position and maintain the same attributes on a coordinate plane.	Why graph geometric figures and transformations on a coordinate plane?	1.7.4.2 represent and interpret quantitative relationships in a table or graph using rational numbers.
		2.7.4.1 identify, describe the effect, and perform combinations of transformations on figures in the coordinate plane.

Enduring Understandings	Essential Questions	Indicators
Patterns and relationships can be represented graphically, numerically, symbolically, and verbally.	Why are patterns and relationships represented in multiple ways?	1.8.1.2 determine whether functions are discrete or continuous.
		1.8.4.1 represent quantitative relationships graphically and interpret the meaning of a specific part of a graph in the situation represented by the graph.
		1.8.1.1 use written, oral, and symbolic language to identify and describe patterns, sequences, and functions.
Linear relationships are characterized by a constant rate of change.	What makes a relationship linear?	1.8.5.1 verify that points lie on a line, given an equation of the line.
		1.8.3.2 solve problems involving direct and inverse variation.
		1.8.3.3 determine the rate of change (slope) of a linear function when represented graphically, numerically, or algebraically.
	Why are linear functions useful?	1.8.5.2 graph linear equations on a coordinate plane.
Geometric figures can change size and/or position while maintaining proportional attributes.	How is proportionality of geometric figures used to solve problems?	2.8.41 graph plane figures that are similar to a given figure (dilation).