Enduring Understandings	Essential Questions
Functional relationships can be expressed verbally, graphically, numerically, and symbolically. Functions are used to solve real world problems. Geometric figures can change position and maintain the same attributes on a coordinate plane.	How can a function be identified? What can be learned from studying functions? Why graph geometric figures and transformations on a coordinate plane?

Indicators

1.7.1.1 describe, extend, analyze, and represent a wide variety of patterns to investigate functional relationships and solve problems.

1.7.1.2 determine whether functions are linear or nonlinear when given graphic examples.

1.7.1.3 describe the recursive relationship of simple arithmetic and geometric sequences verbally, in a table, or a graph.

1.7.4.1 use coordinate graphs to interpret patterns and relationships.

1.7.4.2 represent and interpret quantitative relationships in 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.