

GEOMETRY STANDARDS 6-8

Indicator 1: Use deductive and inductive reasoning to recognize and apply properties of geometric figures.

Sixth Grade	Seventh Grade	Eighth Grade
6.G.1.1. (Comprehension) Identify and describe the characteristics of triangles and quadrilaterals.	7.G.1.1. (Application) Identify, describe, and classify polygons having up to 10 sides.	8.G.1.1. Describe and classify prisms, pyramids, cylinders, and cones.
6.G.1.2. (Comprehension) Identify and describe angles.	7.G.1.2. (Knowledge) Identify and describe elements of geometric figures.	8.G.1.2. (Application) Given any two sides of an illustrated right triangle, use the Pythagorean Theorem to find the third side.

Indicator 2: Use properties of geometric figures to solve problems from a variety of perspectives

Sixth Grade	Seventh Grade	Eighth Grade
6.G.2.1. (Application) Use basic shapes to demonstrate geometric concepts.	7.G.2.1. (Application) Demonstrate ways that shapes can be transformed.	8.G.2.1. (Application) Write and solve proportions that express the relationships between corresponding parts of similar quadrilaterals and triangles.