**Geometry Unit 1 Vocabulary**

**Dilation**

**A transformation that either enlarges or reduces a figure.**

**Image**

**The resulting figure.**

**Isometry**

**A transformation where the pre-image and image are congruent (same shape and size).**

**Pre-image**

**The original figure.**

**Reflection**

**An isometry in which a figure and its image have opposite orientations. It is a flip.**

**Rotation**

**An isometry that turns around a center. It is also called a spin.**

**Symmetry**

**An isometry that maps the figure onto itself.**

**Transformation**

**A change in the position, shape, or size of a geometric figure.**

**Translation**

**An isometry that maps all points of the figure the same direction and distance. It is also called a slide.**

**Vector**

**A directed line segment. It has both direction and length.**