Name:

Date:

School:

Facilitator:

6.03 Transformations in Polygons Study Guide

Word list:

* Dilation
* Image
* Pre-Image
* Rotation
* Reflection
* Transformation
* Translation

**Fill in the blanks with the word that corresponds to the correct definition or diagram.**

1. The movement of a figure on a plane from its original position to a new position.
2. A type of transformation where a figure slides in a horizontal or vertical direction.
3. A type of transformation where a figure flips across a line. The new figure is a mirror image of the original.
4. A type of transformation where a figure turns around a central point.
5. A type of transformation where a figure expands or contracts the shape using a scale factor. The shape, location, and orientation all remain unchanged.
6. A shape that results from the transformation of a figure. The new image.
7. A shape that undergoes a transformation. The original shape.

**Name the type of transformation on the coordinate plane below.**

8.

9.

10.

11.