Dilations of Figures on the Coordinate Plane

Big Idea: **Dilations** are transformations that produce images that are the same shape as the original image, but not the same size. Each point on the original figure is moved along a straight line that is drawn from a fixed point, known as the **center of dilation**.

Steps:

- 1. Analyze the problem.
- 2. Draw lines from the center of dilation to each vertex of the figure.
- 3. Scale the lines the proportion asked for. (you can use slope triangles)
- 4. Place the point of the dilated figure.
- 5. Connect the points to create the new figure and check if proportional.

Examples:

