



Vocabulary:

1. Dilation: A transformation that stretches or shrinks a figure to create a similar figure.

2. Center of Dilation: A fixed point in which the figure is enlarged or reduced.

3. Scale Factor of a Dilation: The ratio of a side length of the image to the corresponding side length of the original figure. F:cal



For Your Notebook

Coordinate Notation for a Dilation

You can describe a dilation with respect to the origin with the notation $(x, y) \rightarrow (kx, ky)$, where k is the scale factor.

If 0 < k < 1, the dilation is a reduction. If k > 1, the dilation is an enlargement.











Worksheet 6.7B

