

Challenge Problems

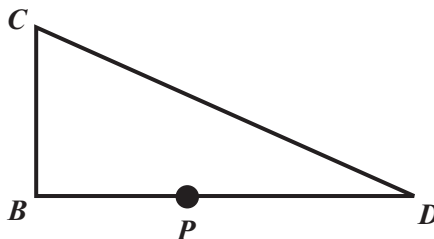
11.3

NAME _____

Module 11 Transformations of Shapes
Lesson 3 Dilations

Set 1

- 1 Perform a dilation of $\triangle BCD$ with center P and scale factor 1.5. Use a metric ruler to measure.

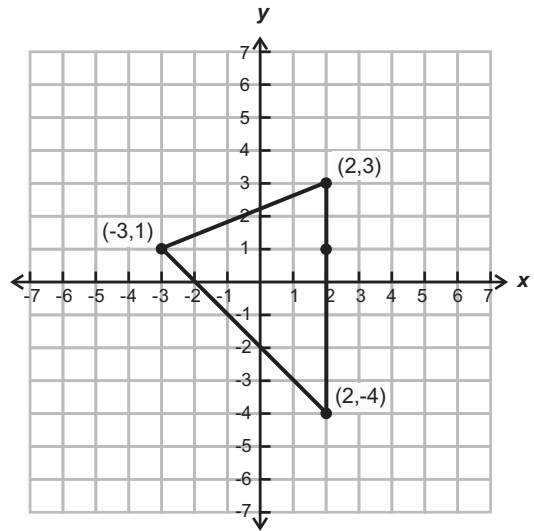


- 2 What is the ratio of the perimeter of an image with a dilation with scale factor k to the perimeter of the original figure? Explain.

Set 2

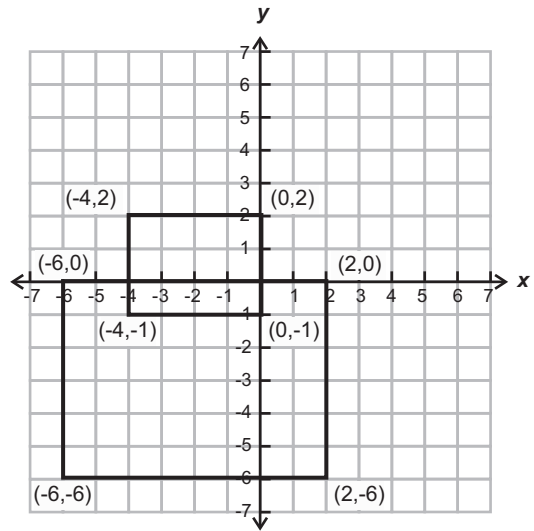
1

Perform a dilation of the triangle with center $(2, 1)$ and scale factor 2.



2

The graph shows a rectangle and its image under a reduction. What is the center of dilation?



Additional Work Area

Additional Work Area