

Geometry

4.6 Similarity and Transformations

Similar figures

- Same _____; different _____

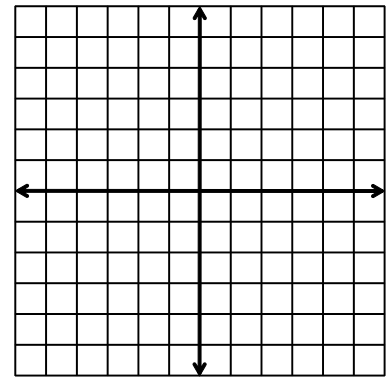
Similarity Transformation

- _____ or
- _____ of _____ and another transformation

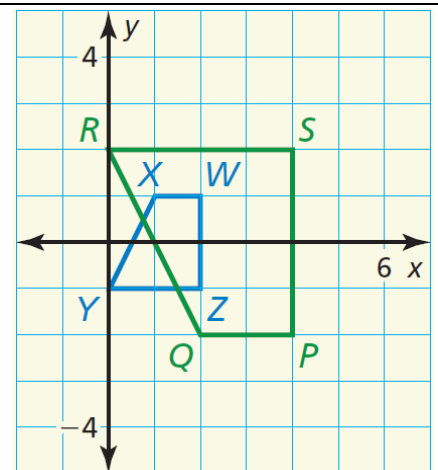
Graph $\triangle ABC$ with vertices $A(12, -6)$, $B(0, -3)$, and $C(3, -9)$ and its image after the similarity transformation.

Reflection: in the y -axis

Dilation: $(x, y) \rightarrow (\frac{1}{3}x, \frac{1}{3}y)$



Describe a similarity transformation that maps trapezoid $WXYZ$ to trapezoid $PQRS$.



Assignment: 211 #2, 4, 6, 8, 10, 12, 13, 14, 16, 17, 19, 21, 22, 23, 24, 28 = 15