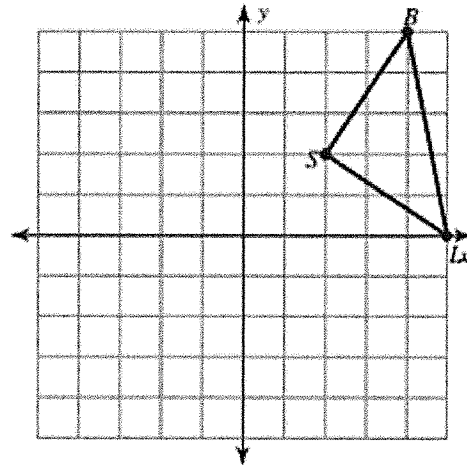
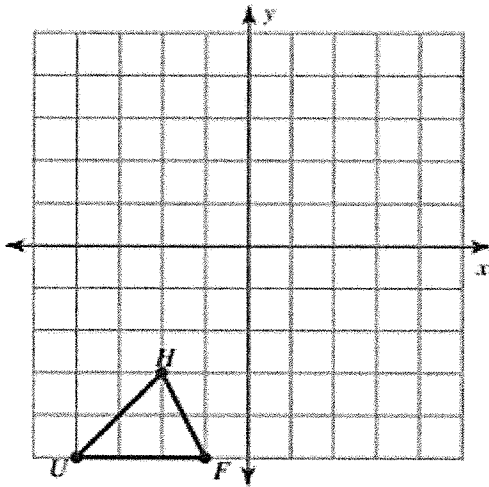


Rotation and dilation review

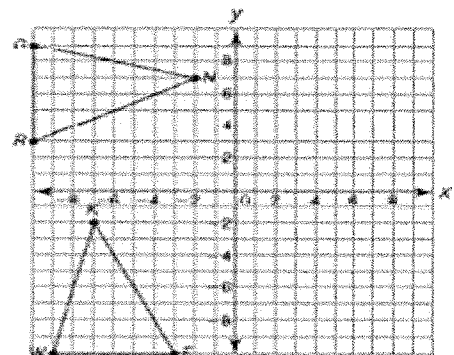
Name: _____

1. Draw and/or list the coordinate points of the image after rotating the following figure 180°.



2-

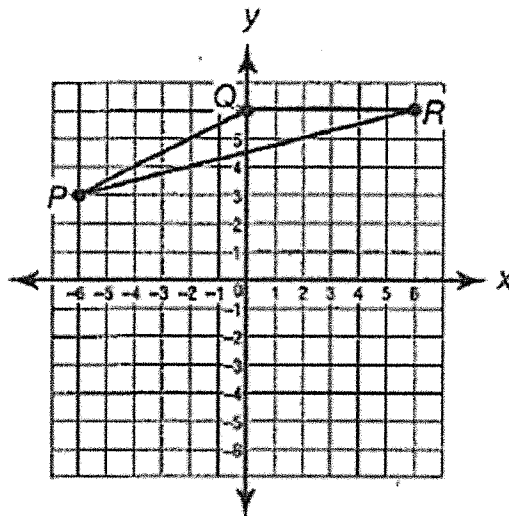
Describe the transformation done on $\triangle FKW$ to form $\triangle RNG$.



- a. rotation about the origin 90° counterclockwise
- b. rotation about the origin 90° clockwise
- c. reflection over the x-axis
- d. translation 5 units right and 9 units up

3.

What are the coordinates of ΔPQR after a dilation with a scale factor of $\frac{2}{3}$?



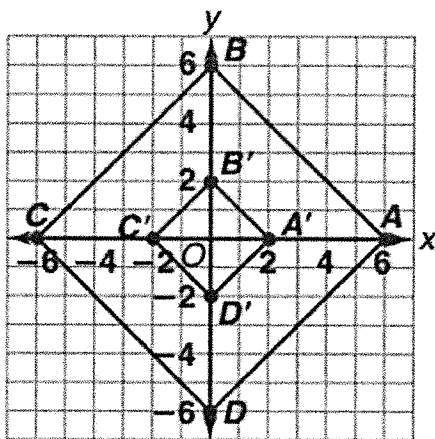
a) $P'(-2,1), Q'(0,2), R'(2,2)$

b) $P'(-4,2), Q'(0,4), R'(4,4)$

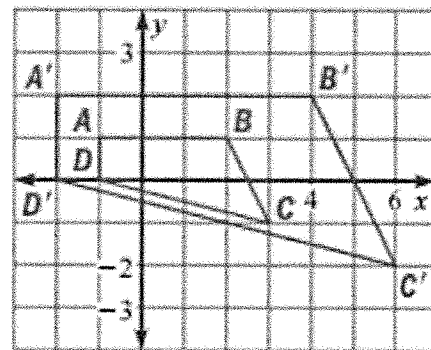
c) $P'(-4,2), Q'(4,0), R'(4,2)$

d) $P'(-12,6), Q'(0,12), R'(12,12)$

4. Determine the scale factor for each picture



S.F. =



S.F. =

5. Which of the following dilations has a scale factor of $1/2$, centered at the origin?

