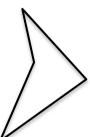
Mr. Rogove

Date:_____

LEARNING OBJECTIVE: We will review the properties of dilations and practice performing dilations (G8M3L6)

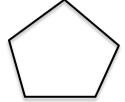
Use a compass and a ruler to dilate the shape below with center 0 for a scale factor of 2 AND a scale factor of $\frac{1}{2}$.





Use a compass and a ruler to dilate the shape below with center 0 for a scale factor of 2 **AND** a scale factor of $\frac{1}{2}$.

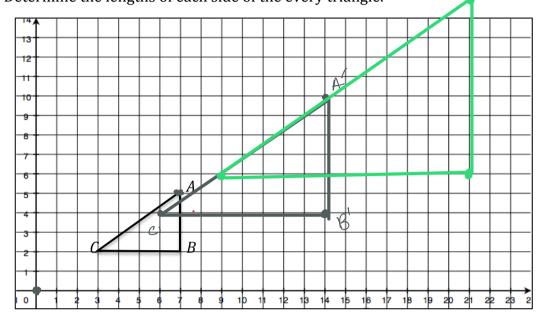




Mr. Rogove

Date:_____

Dilate the right triangle with a center at the origin for a scale factor of 2 and 3. Determine the lengths of each side of the every triangle.



$$\overline{AB} = 3$$

$$\overline{BC} = 4$$

$$\overline{CA} = 5$$

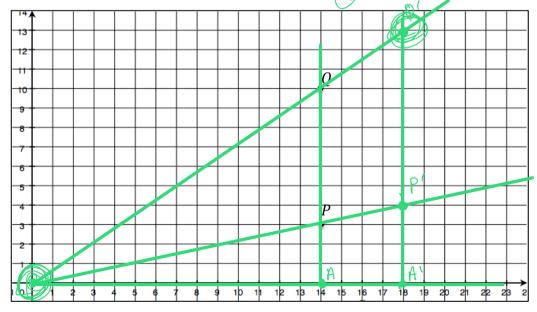
$$\overline{A'B'} = (_{\mathcal{O}}$$

$$\overline{A''B''_2}$$

$$\overline{B''C''} = 12$$

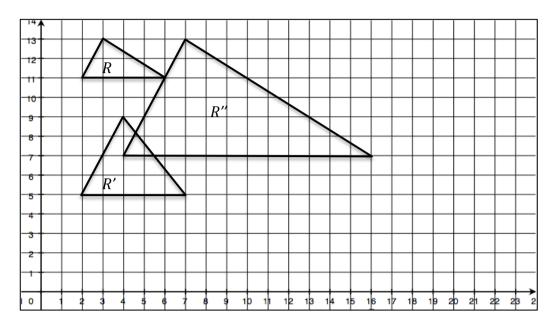
$$\overline{C''A''} = 15$$

Dilate points from center at (0,0) for a scale factor $\phi f_{\frac{9}{7}}$. Find coordinates of P' and Q'

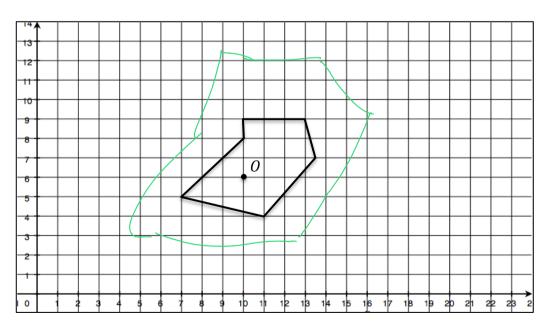


Date:_____

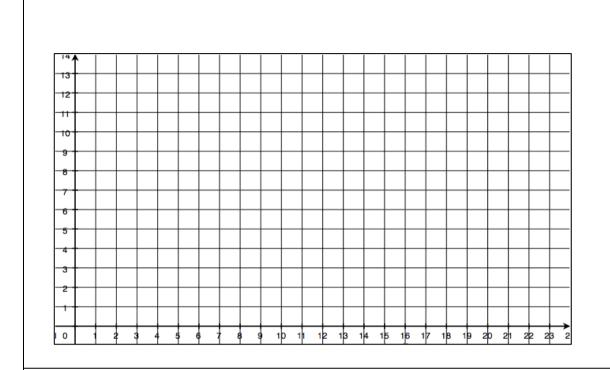
Describe the possible dilation relationships between shapes R, R', and R''. If a dilation, state the point of dilation and the scale factor.

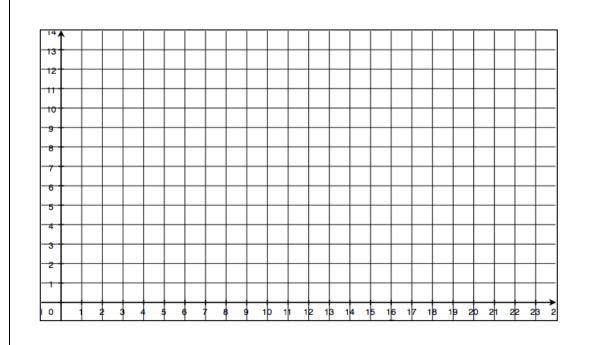


Dilate from center at point 0 for a scale factor of 2 $\,$



NAME:	Math, Period
Mr. Rogove	Date:





NAME:	Math, Period
Mr. Rogove	Date:

NOTES:

This lesson can be optional—depending on how comfortable everyone feels with dilations. Students should use page 4 to create their own problems that others will be asked to solve. If there is simply an end of module assessment, student created problems can be the basis for a study guide??

Also, do Visual Patterns #35