

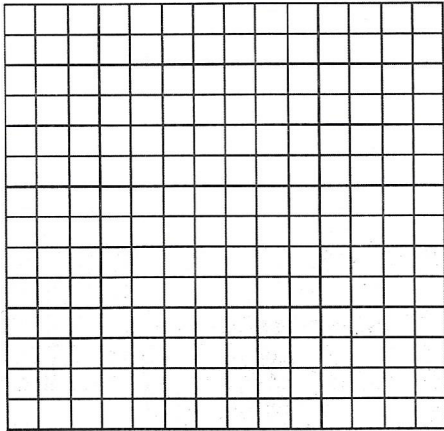
NAME: _____ Date: _____ PERIOD: _____

8th Math HW 4.2 C Due Friday 12/16/16

Quadrant II

2. $A(-3, 2)$, $B(2, 2)$, $C(2, -3)$, $D(-3, -3)$; $k = 2$

$A'(\quad)$, $B'(\quad)$, $C(\quad)$, $D'(\quad)$

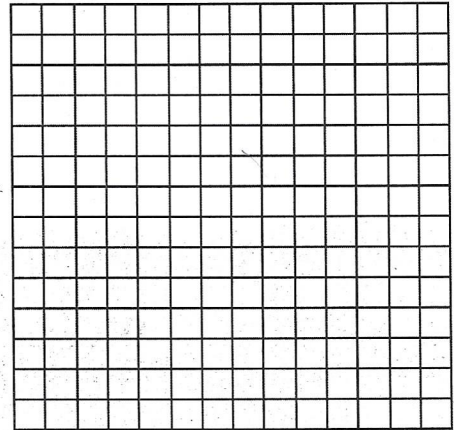


Quadrant I

Determine the coordinates of the vertices of each figure after a dilation with the given scale factor k . Then graph the original image and the dilation.

1. $R(-1, -1)$, $S(0, 2)$, $T(2, -1)$; $k = 3$

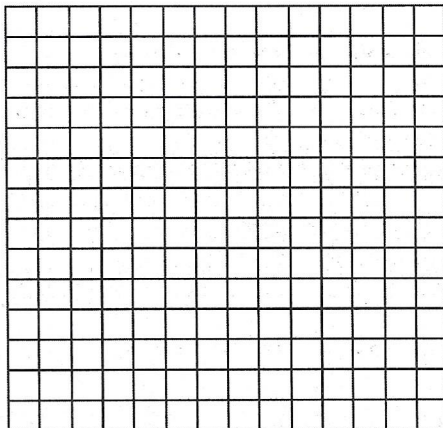
$R'(\quad)$, $S'(\quad)$, $T'(\quad)$



Quadrant III

3. $W(4, 8)$, $X(8, 8)$, $Y(8, 4)$, $Z(4, 4)$; $k = \frac{1}{4}$

$W'(\quad)$, $X'(\quad)$, $Y'(\quad)$, $Z'(\quad)$

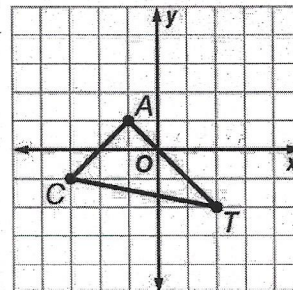


Quadrant IV

4. Daniel is using a scale factor of 10 to enlarge a class photo that measures 3.5 inches by 5 inches. What are the dimensions of the photo after the dilation?

Dimensions: _____

5. Determine the coordinates of the triangle shown below after a dilation with a scale factor of 4.



$A'(\quad)$

$B'(\quad)$

$C'(\quad)$