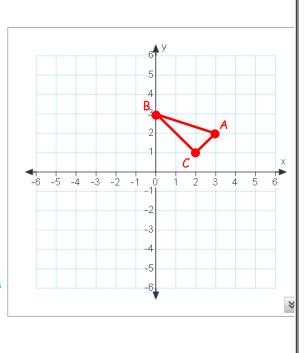
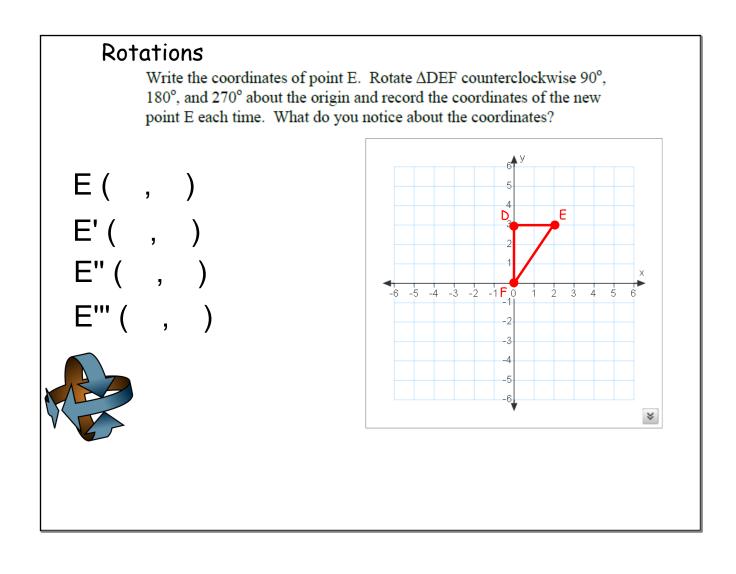


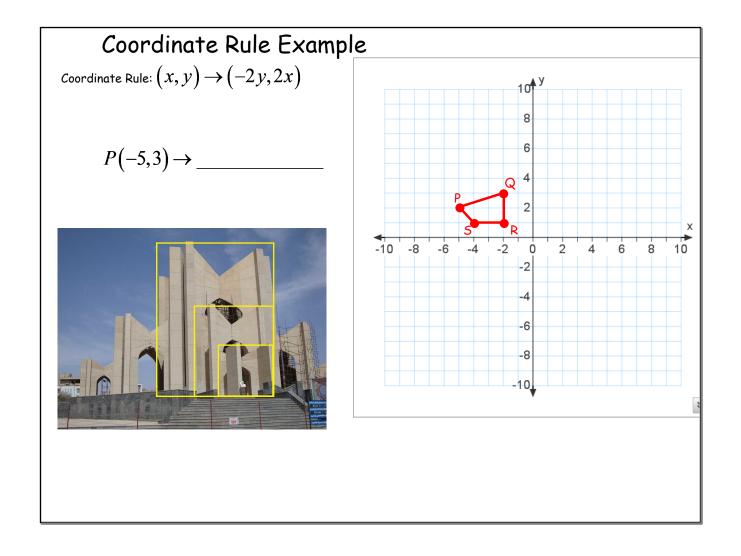
Check in

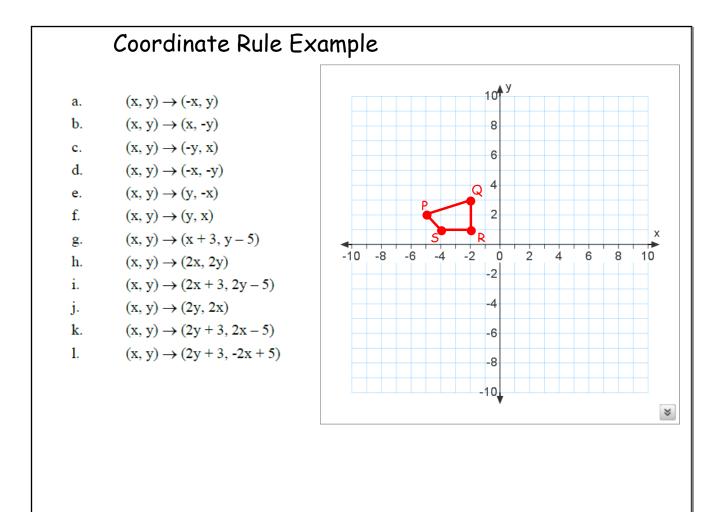
- a. Translate $\triangle ABC$ left 3 and down 5
- Reflect ΔABC across the x-axis
- c. Reflect ∆ABC across the y-axis
- d. Reflect $\triangle ABC$ across the line y = -x
- e. Rotate $\triangle ABC 90^{\circ}$ clockwise about the origin
- f. Rotate ΔABC 180° counterclockwise about point A
- g. Dilate $\triangle ABC$ by a factor of 2 with respect to the origin
- h. Dilate $\triangle ABC$ by a factor of $\frac{1}{2}$ with respect to the origin







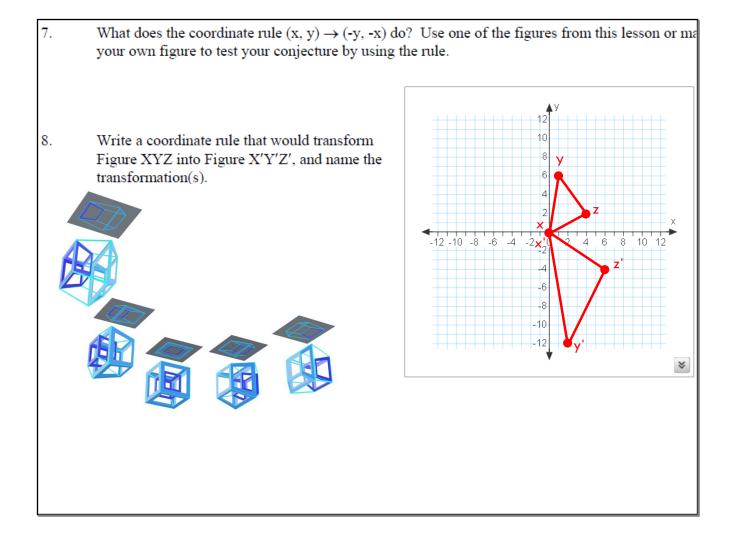




Match each description with its coordinate rule.							
a.	Translate (shift) a horizontal units and b vertical units	1.	$(x, y) \rightarrow (-x, y)$				
b.	Reflect across the x-axis	2.	$(x, y) \rightarrow (x, -y)$				
c.	Reflect across the y-axis	3.	$(x, y) \rightarrow (y, -x)$				
d.	Reflect across the line $y = x$	4.	$(x, y) \rightarrow (-y, x)$				
e.	Rotate 90° counterclockwise (or 270° clockwise) about the origin	5.	$(x, y) \rightarrow (-x, -y)$				
f.	Rotate 180° counterclockwise (or 180° clockwise) about the origin	6.	$(\mathbf{x}, \mathbf{y}) \rightarrow (\mathbf{x} + a, \mathbf{y} + b)$				
g.	Rotate 270° counterclockwise (or 90° clockwise) about the origin	7.	$(\mathbf{x}, \mathbf{y}) \rightarrow (c\mathbf{x}, c\mathbf{y})$				
h.	Dilate with respect to the origin by a factor of c	8.	$(x,y){\rightarrow}(y,x)$				



5.		Without looking at your notes, describe the transformation(s) that would occur for each of the following coordinate rules.								
	a.	$(x, y) \rightarrow (-x, y)$	b.	$(x, y) \rightarrow (3x, 3y)$	с.	$(x, y) \rightarrow (\sqrt[1]{4}y, \sqrt[1]{4}x)$				
6.	Write	Write the coordinate rule for each transformation or set of transformations.								
	a.	Reflect across the x-axis								
	b.	Translate right 8 and up 3								
	c.	Dilate by a factor of 10								
	d.	Reflect across the line $y = x$ and dilate by a factor of 7								
	e.	Dilate by a factor of 3 an	d transla	te down 5 and left 1						



Homework: 1-126 to 1-133



September 06, 2017

