

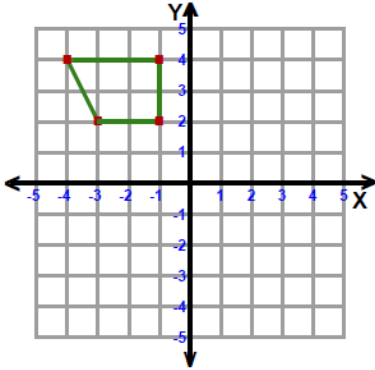
Name: _____ Hr: _____

Transformations

ccw = counterclockwise

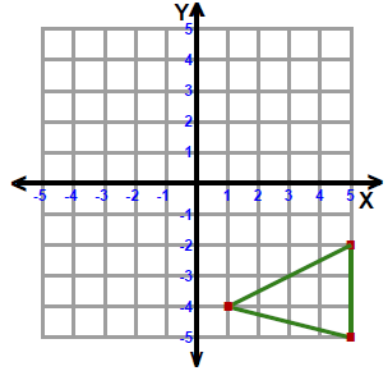
Write the rule for each transformation.

- 1) Reflection: Across the y-axis



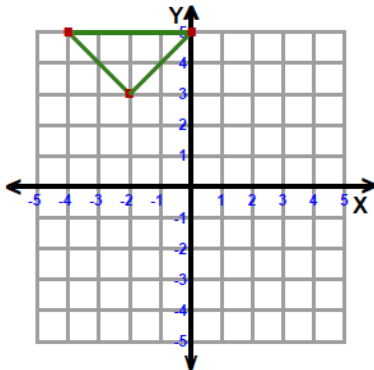
$$(x, y) \rightarrow (\quad , \quad)$$

- 2) Translation: 4 left and 2 up



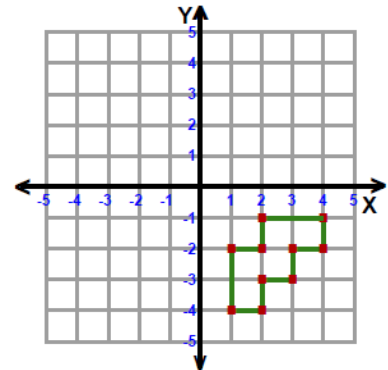
$$(x, y) \rightarrow (\quad , \quad)$$

- 3) Reflection: Across the line x-axis



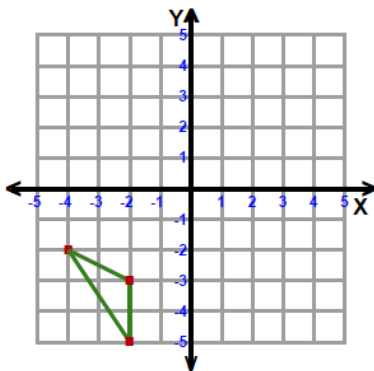
$$(x, y) \rightarrow (\quad , \quad)$$

- 4) Rotation: 90° ccw about the origin



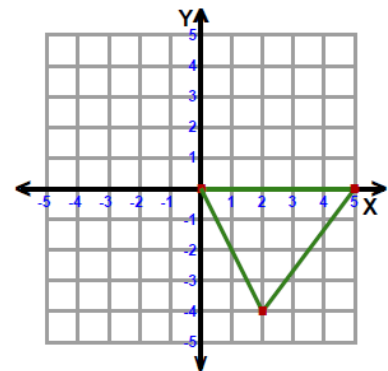
$$(x, y) \rightarrow (\quad , \quad)$$

- 5) Translation: 5 right and 5 up



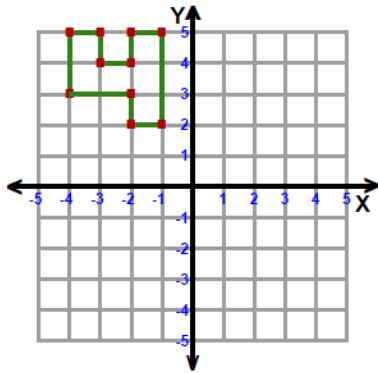
$$(x, y) \rightarrow (\quad , \quad)$$

- 6) Rotation: 90° clockwise about the origin



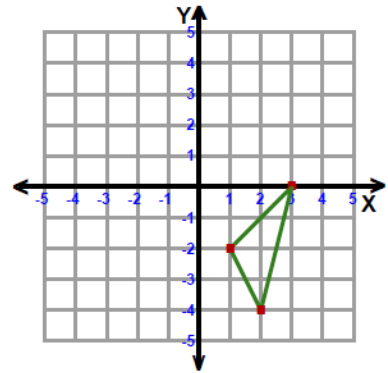
$$(x, y) \rightarrow (\quad , \quad)$$

1) Translation: 2 right and 5 down



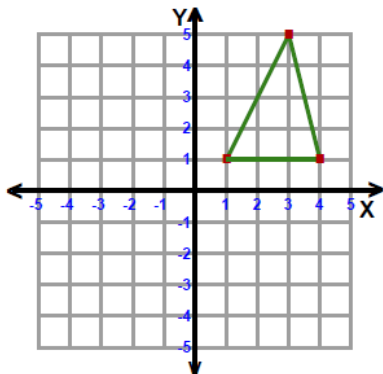
$$(x, y) \rightarrow (\quad , \quad)$$

2) Rotation: 90° ccw about the origin



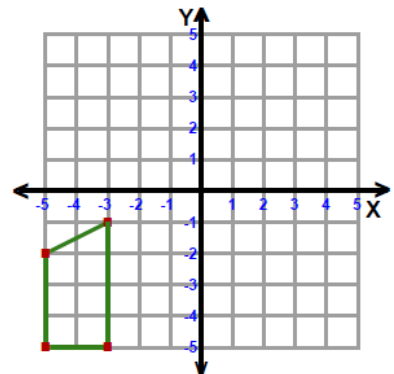
$$(x, y) \rightarrow (\quad , \quad)$$

3) Rotation: 90° clockwise about the origin



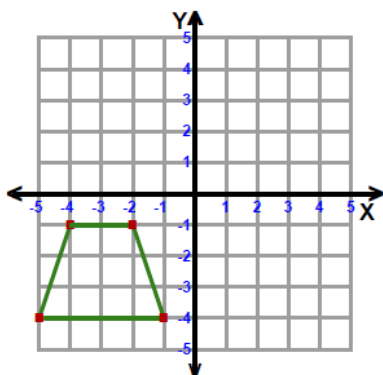
$$(x, y) \rightarrow (\quad , \quad)$$

4) Reflection: Across the y-axis



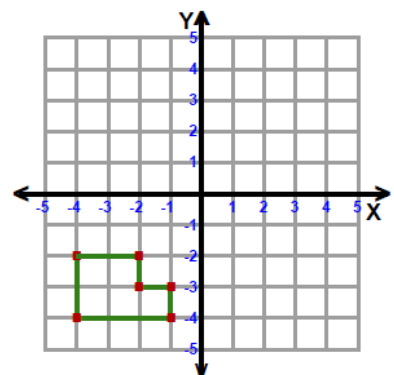
$$(x, y) \rightarrow (\quad , \quad)$$

5) Reflection: Across the line $y = -4$ x-axis



$$(x, y) \rightarrow (\quad , \quad)$$

6) Translation: 4 right and 3 up



$$(x, y) \rightarrow (\quad , \quad)$$