

Name: _____ Period: _____

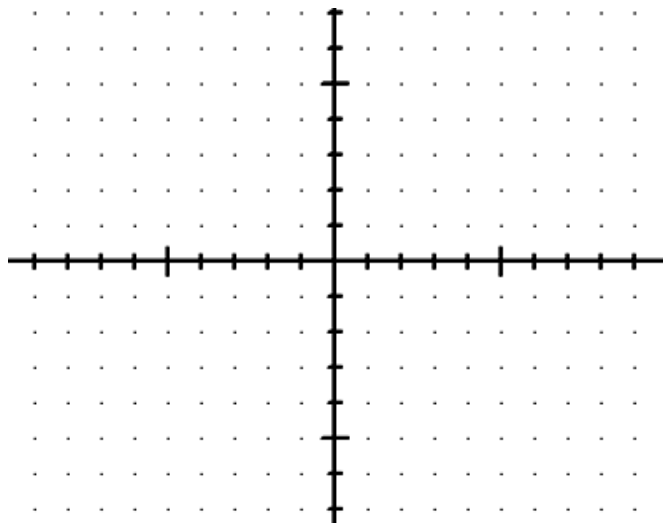
Coordinates and Transformations with Quadrilaterals

Step 1: Graph the same Quadrilateral (with different lengths) in **each** of the graphs:

Step 2: List **All** of the original coordinates of the Preimage here: **Label the points $ABCD$**

Step 3: Use the transformation rule in each problem on the Preimage and identify the coordinates of the image $A'B'C'D'$ and color code your shapes.

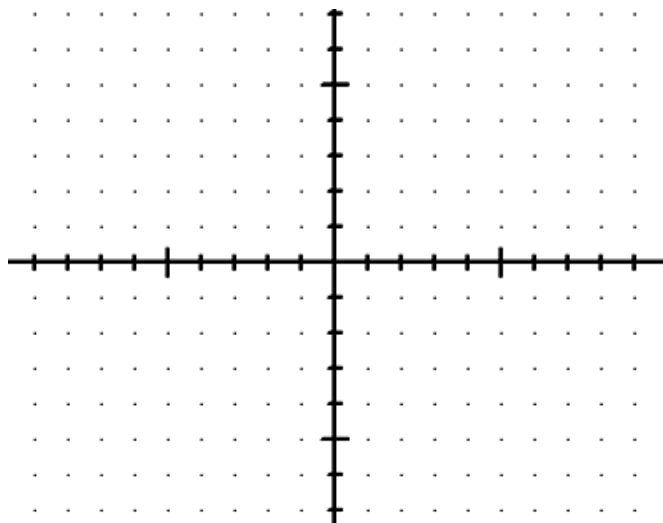
1) $(x + 4, y - 3)$



Label the image Points:

Describe the transformation:

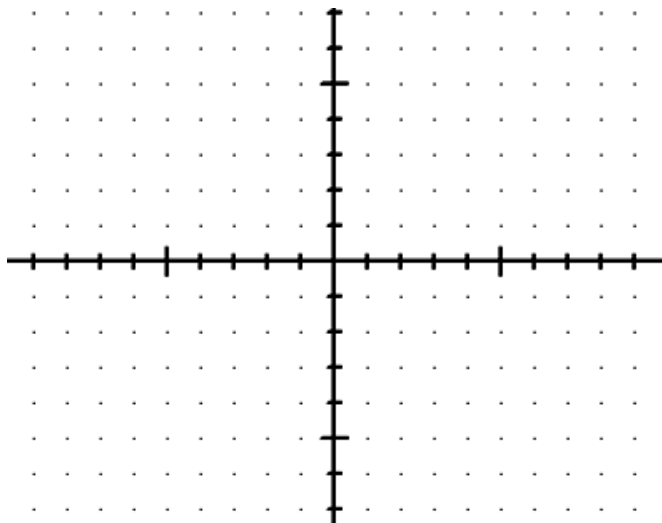
3) $(x, -y)$



Label the image Points:

Describe the transformation:

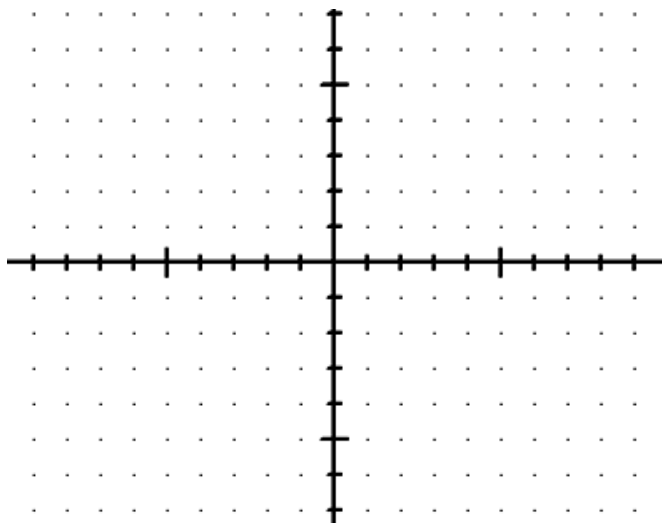
2) $(-x, y)$



Label the image Points:

Describe the transformation:

4) (y, x)



Label the image Points:

Describe the transformation: