

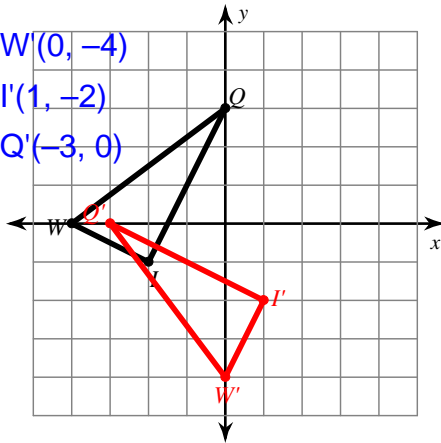
Name: _____

For 1 - 6, graph the image of the figure using the transformation given. Then label the vertices, write down the Pre-Image coordinates and the Image coordinates. Don't forget your "parentheses and commas" . . (,)

1) rotation 90° counterclockwise about the origin

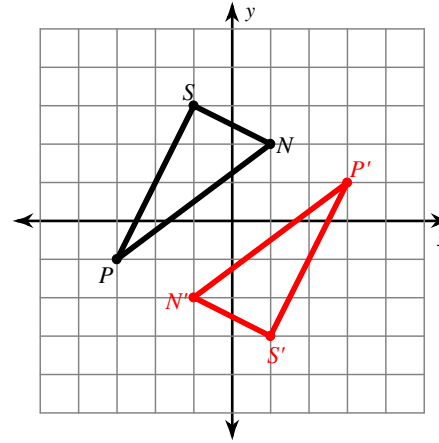
W(-4, 0)
I(-2, -1)
Q(0, 3)

W'(0, -4)
I'(1, -2)
Q'(-3, 0)



8

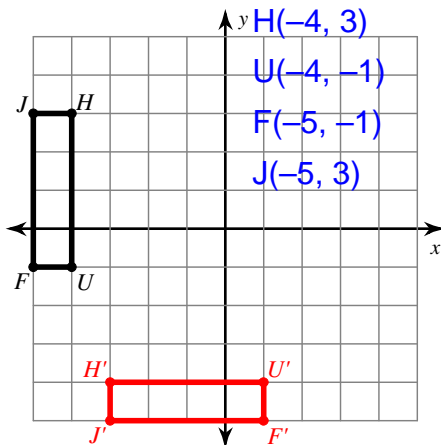
2) rotation 180° about the origin



P(-3, -1)
N(1, 2)
S(-1, 3)

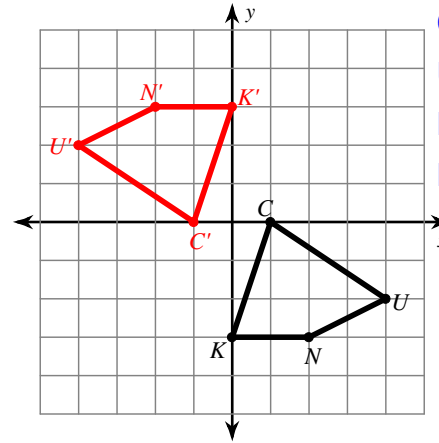
P'(3, 1)
N'(-1, -2)
S'(1, -3)

3) rotation 90° counterclockwise about the origin



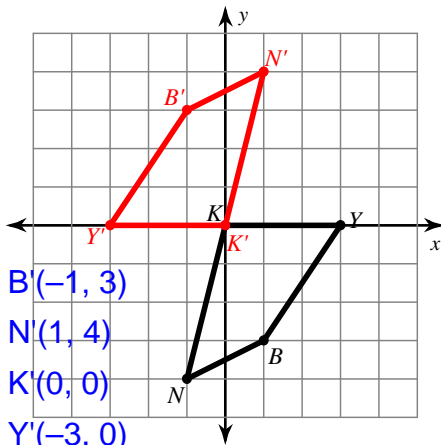
H(-4, 3) H'(-3, -4)
U(-4, -1) U'(1, -4)
F(-5, -1) F'(1, -5)
J(-5, 3) J'(-3, -5)

4) rotation 180° about the origin



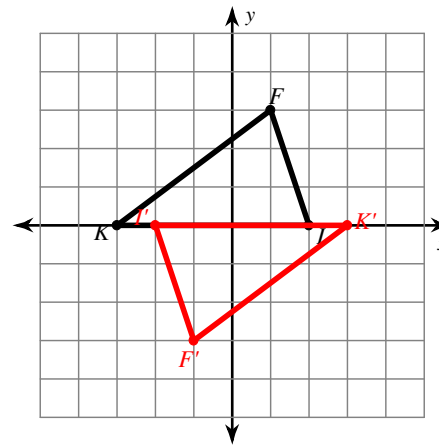
C(1, 0) C'(-1, 0)
U(4, -2) U'(-4, 2)
N(2, -3) N'(-2, 3)
K(0, -3) K'(0, 3)

5) rotation 180° about the origin



B(1, -3) B'(-1, 3)
N(-1, -4) N'(1, 4)
K(0, 0) K'(0, 0)
Y(3, 0) Y'(-3, 0)

6) rotation 180° about the origin



F(1, 3) F'(-1, -3)
I(2, 0) I'(-2, 0)
K(-3, 0) K'(3, 0)