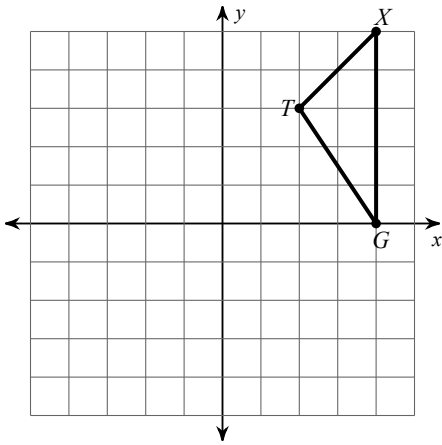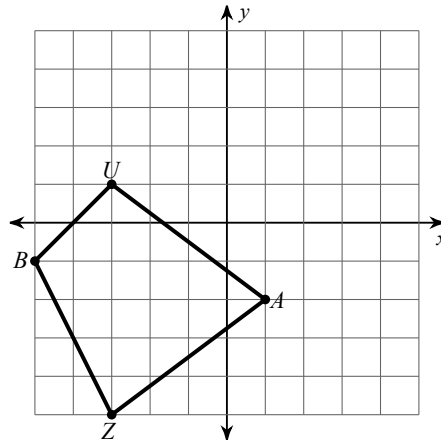Name_____

Transformations Quiz Review Packet

Graph the image of the figure using the transformation given.
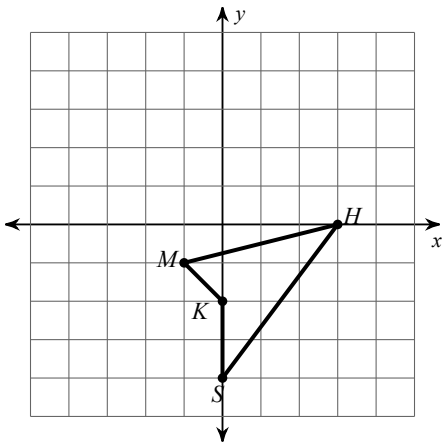
1) rotation 180° about the origin

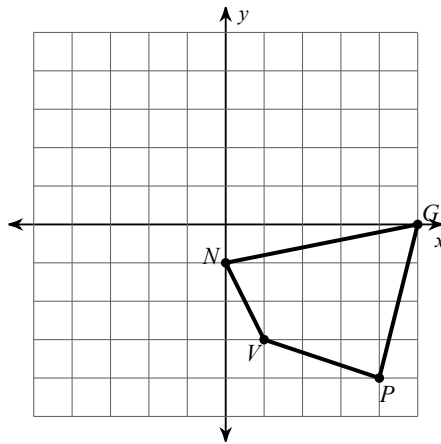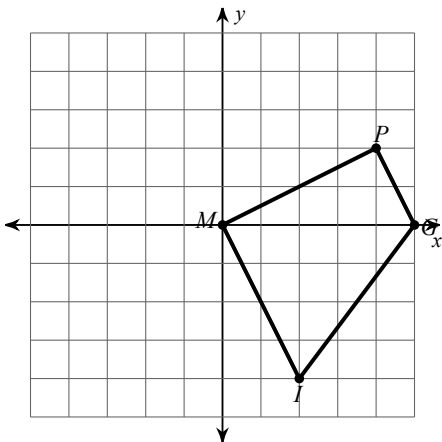

2) reflection across $y = -1$
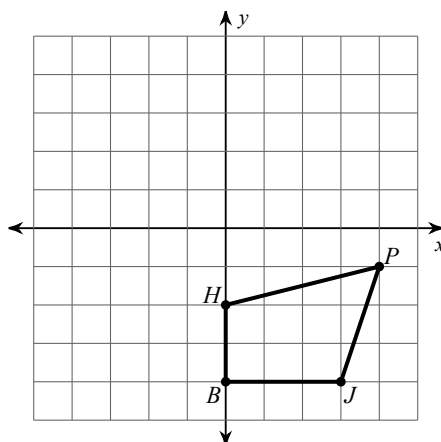

3) translation: $(x, y) ® (x - 1, y - 1)$

4) reflection across $x = 2$

5) rotation 90° clockwise about the origin
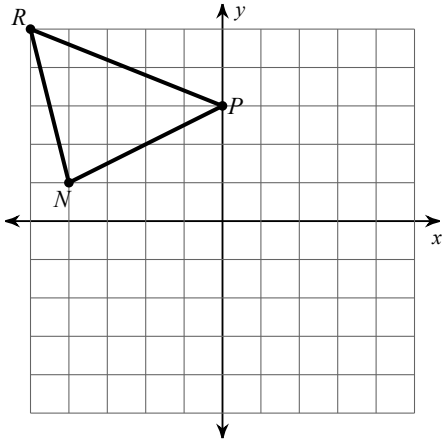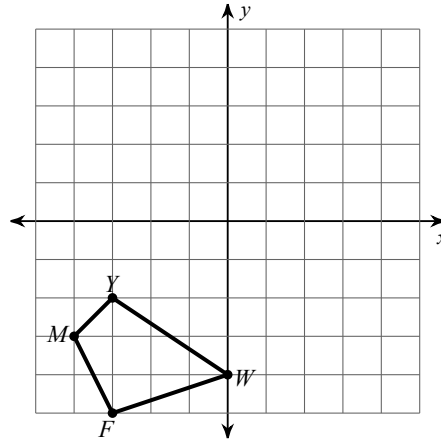

6) translation: $(x, y) ® (x + 1, y + 5)$

Graph the image of the figure using the transformation given.

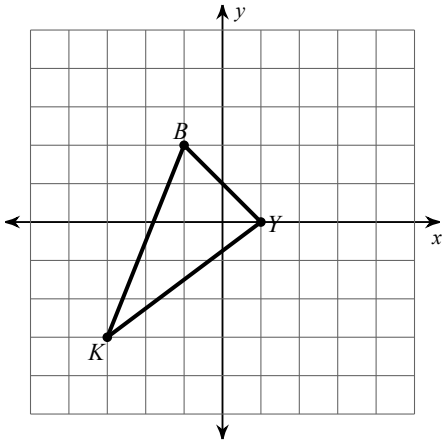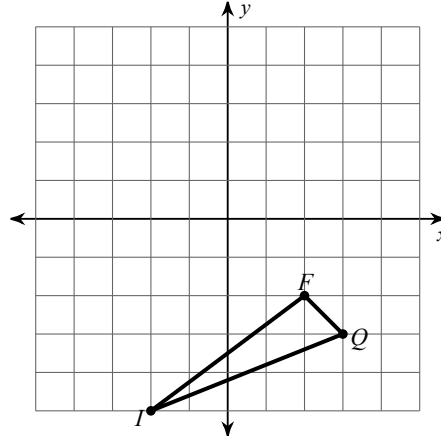7) reflection across $y = 3$

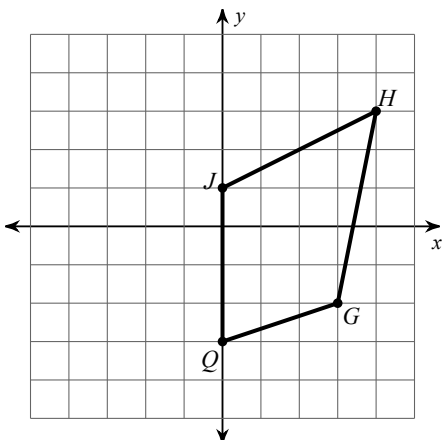8) translation: $(x, y) \circledR (x + 4, y + 2)$
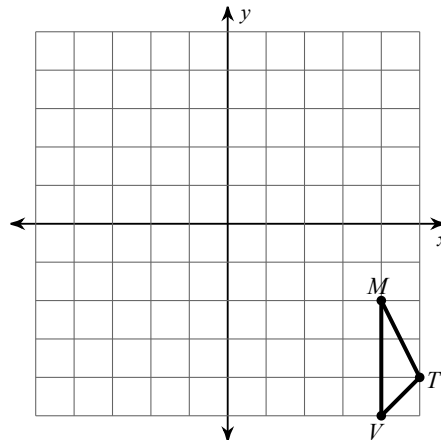
9) reflection across $y = -1$

10) rotation 180° about the origin

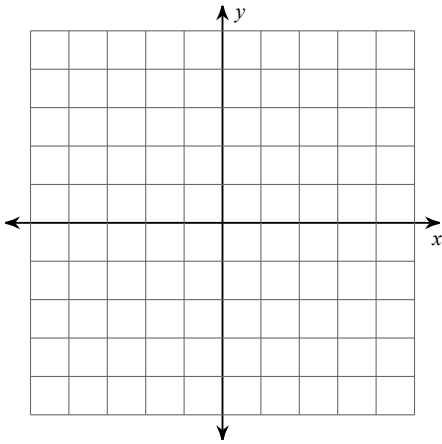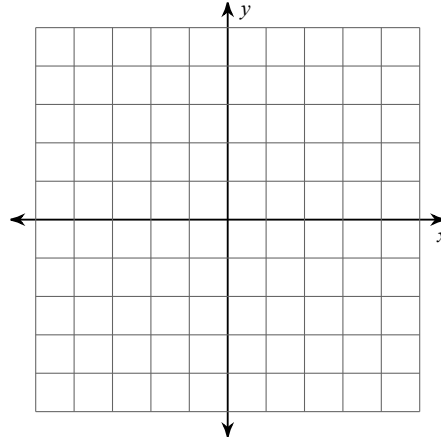11) rotation 90° counterclockwise about the origin

12) reflection across the y-axis

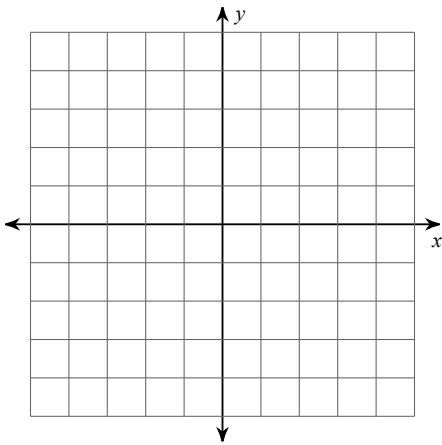**Graph the image of the figure using the transformation given.**

13) translation: $(x, y) \rightarrow (x + 2, y + 2)$
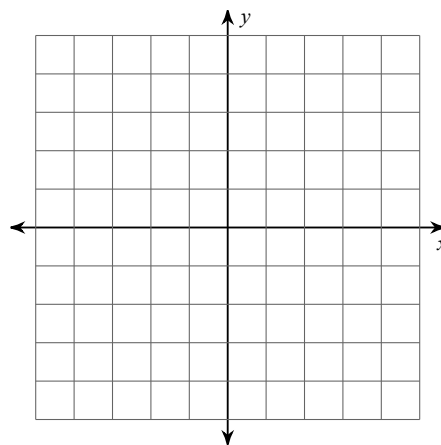$Z(-5, -4), V(-4, -1), H(-4, -4)$

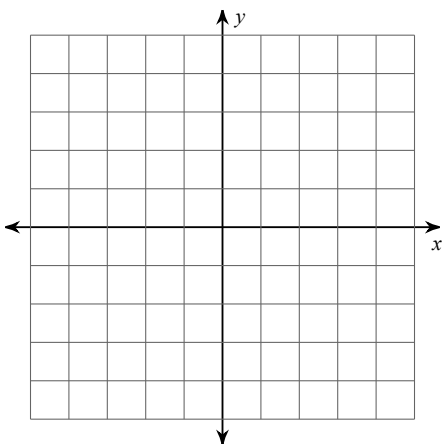14) rotation 180° about the origin
$I(-2, 0), W(-3, 4), E(2, 3)$

15) rotation 180° about the origin
$J(3, 2), X(3, 3), Y(4, 2)$

16) reflection across $x = 3$
$D(2, 1), Q(4, 3), U(3, 0)$

17) translation: $(x, y) \rightarrow (x, y - 2)$
$C(-3, 3), Z(-2, 4), G(-2, 1)$

18) reflection across $x = -3$
$K(-5, 0), M(-4, 3), W(-2, -1)$