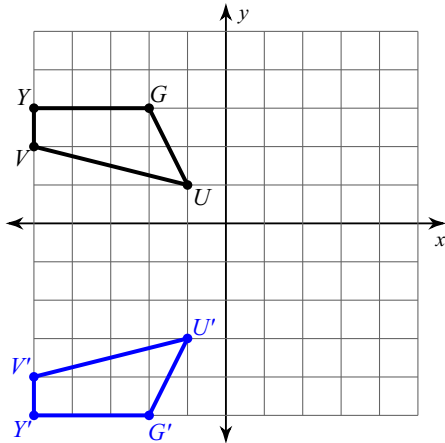


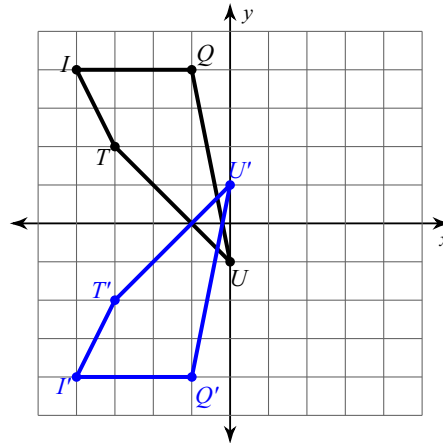
KNOW THE RULES

Write a rule to describe each transformation.

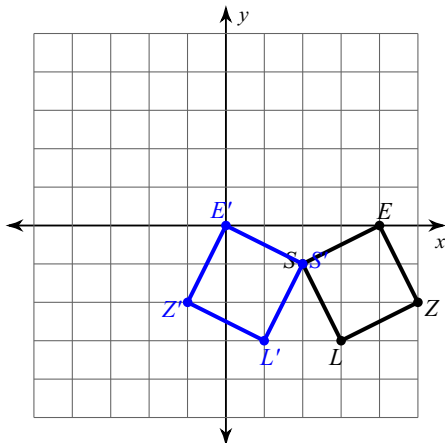
1)



2)



3)



4) $N(1, -3), M(1, 0), T(4, 0), E(5, -4)$

to
 $M'(-1, 0), T'(-4, 0), E'(-5, -4), N'(-1, -3)$

5) $R(0, -5), G(-1, 0), I(1, -1), M(3, -5)$

to
 $G'(5, 0), I'(3, -1), M'(1, -5), R'(4, -5)$

6) $Y(-4, -5), T(-4, -4), D(-1, -5)$

to
 $T'(2, -4), D'(-1, -5), Y'(2, -5)$

Find the coordinates of the vertices of each figure after the given transformation.

7) reflection across $y = -2$
 $L(1, -5), W(1, -4), E(3, -5)$

8) reflection across $x = 1$
 $B(0, -3), W(1, -1), R(4, 0), M(4, -1)$

9) reflection across $y = -2$
 $T(-1, -2), I(-1, 0), C(3, -3)$

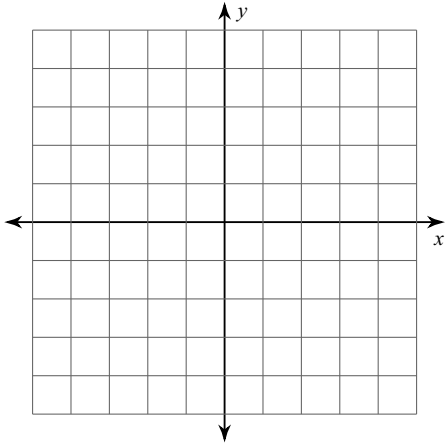
10) reflection across $x = 2$
 $J(0, -1), D(3, 3), U(4, 1), H(4, -1)$

11) reflection across $y = -1$
 $Q(-4, -5), F(-5, 0), M(-2, -3)$

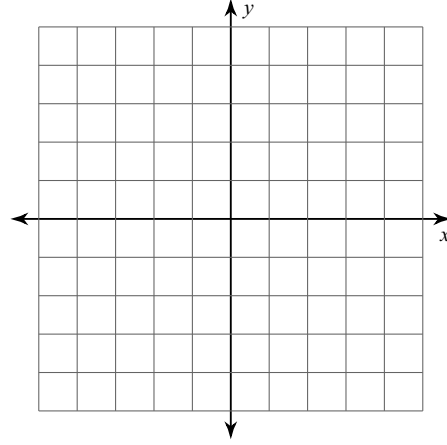
12) reflection across $x = -1$
 $P(-5, 2), H(-2, 4), M(-3, 2)$

Graph the image of the figure using the transformation given.

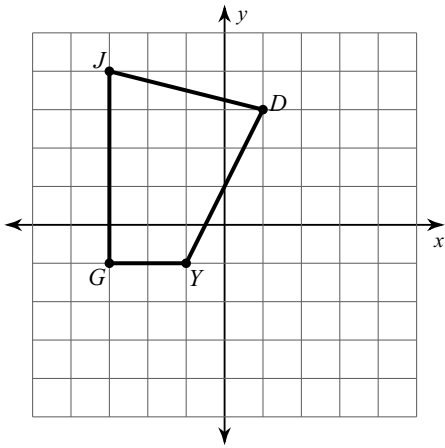
13) reflection across $y = -4$
 $H(0, -3)$



14) reflection across the y-axis
 $Q(0, -4), M(4, -2), R(4, -4)$



15) reflection across $x = 1$



16) reflection across $y = 1$

