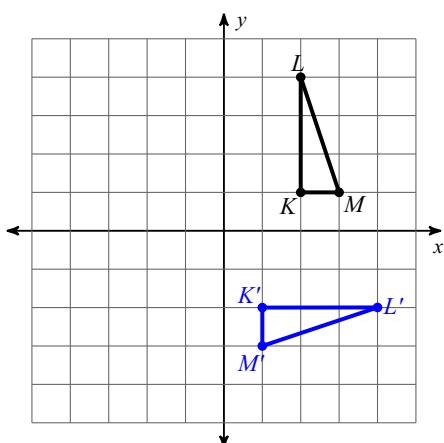
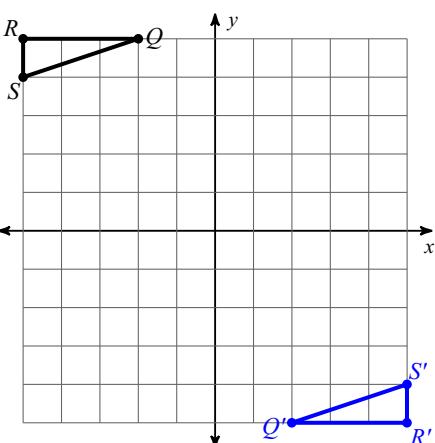


Write a rule to describe each transformation.

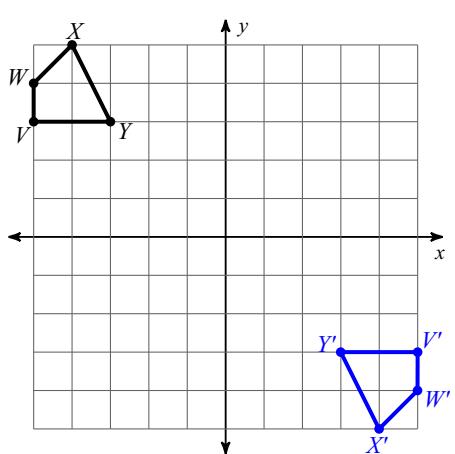
1)



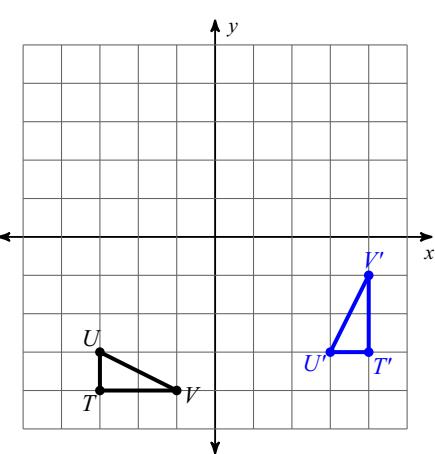
2)



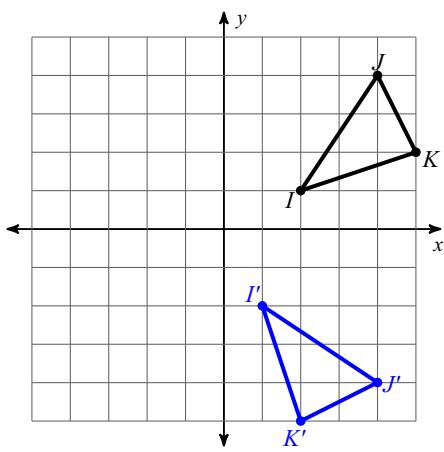
3)



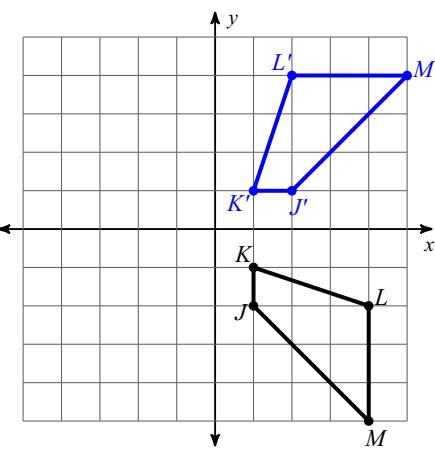
4)



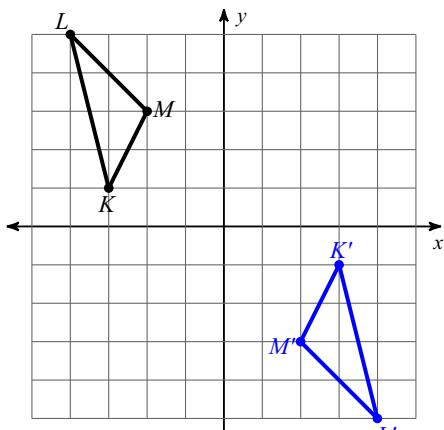
5)



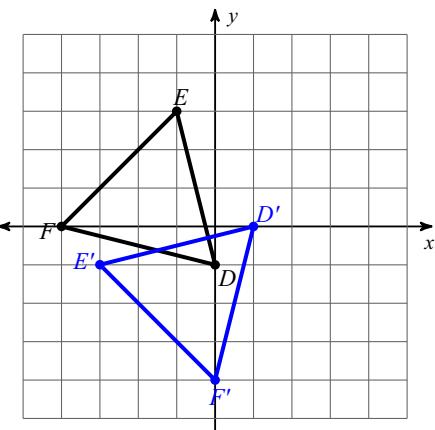
6)



7)

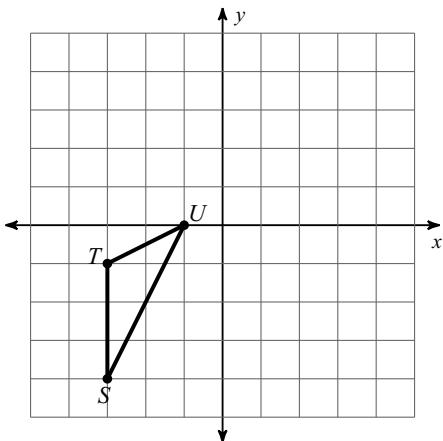


8)

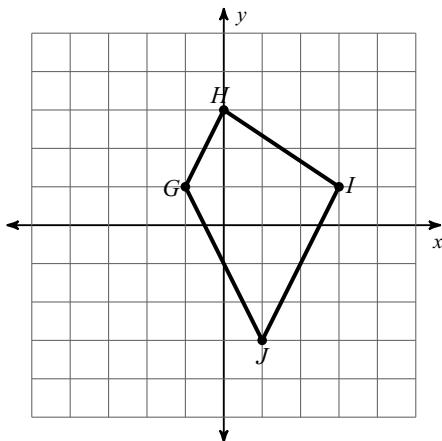


Graph the image of the figure using the transformation given.

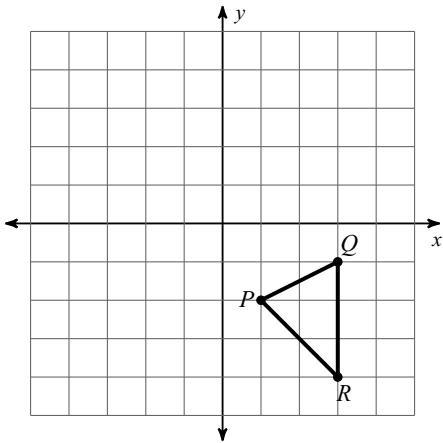
- 9) rotation 90° clockwise about the origin



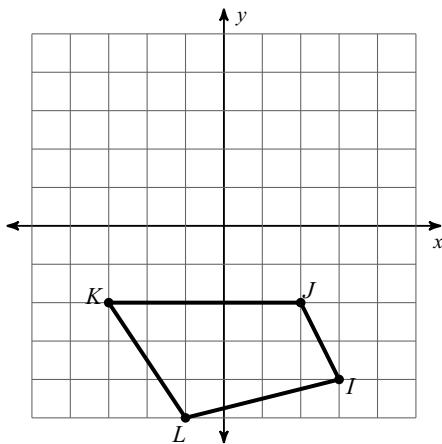
- 10) rotation 180° about the origin



- 11) rotation 90° counterclockwise about the origin



- 12) rotation 90° clockwise about the origin



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

- 13) rotation 180° about the origin

$$E(1, -4), F(2, 0), G(4, -1), H(4, -3)$$

- 14) rotation 90° clockwise about the origin

$$I(0, -5), J(-1, -3), K(1, -1), L(5, -3)$$

- 15) rotation 180° about the origin

$$H(0, -4), I(0, -3), J(4, -3), K(2, -5)$$

- 16) rotation 90° counterclockwise about the origin

$$R(-5, -3), S(-5, -2), T(-3, -4), U(-4, -4)$$

- 17) rotation 90° counterclockwise about the origin

$$H(1, -4), G(3, -2), F(2, -5)$$

- 18) rotation 90° clockwise about the origin

$$K(3, 2), L(3, 5), M(5, 5)$$

- 19) rotation 180° about the origin

$$V(1, -3), U(2, 0), T(4, -4)$$

- 20) rotation 90° counterclockwise about the origin

$$A(2, -4), B(1, -2), C(5, -2), D(4, -4)$$