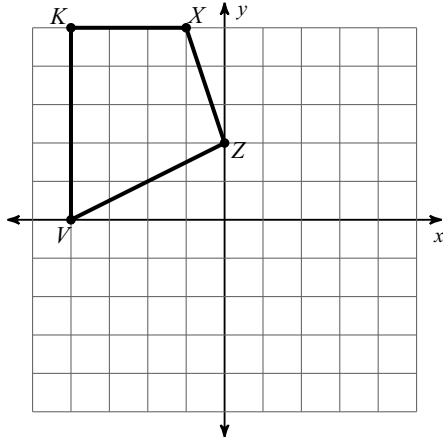


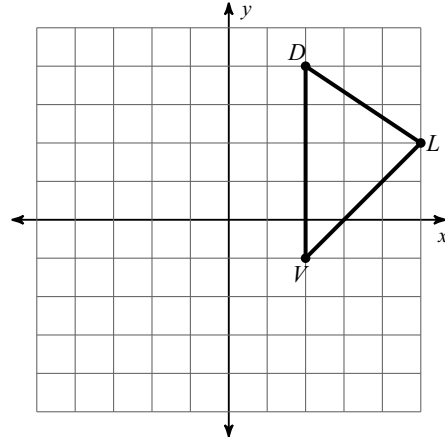
HW 2.4 Due 10/12 or 10/13

Graph the image of the figure using the transformation given.

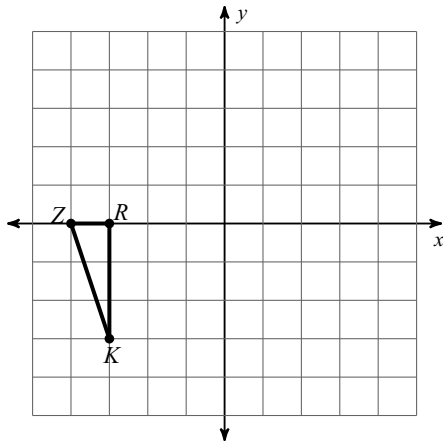
1) translation: 1 unit right and 4 units down



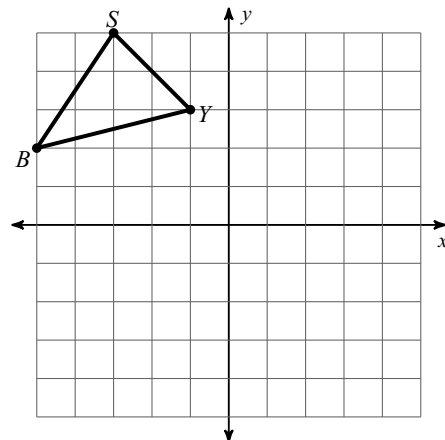
2) reflection across the y-axis



3) reflection across  $y = x$



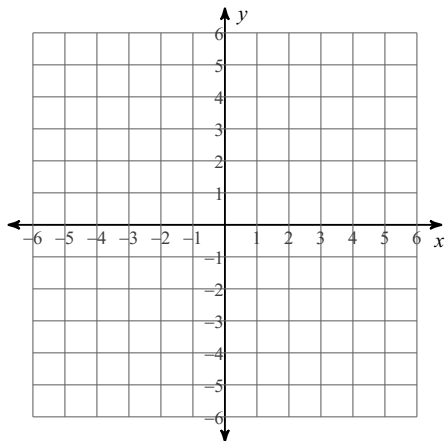
4) rotation  $90^\circ$  counterclockwise about the origin



For 5-6, plot and connect each point and then follow the directions below the set of points.

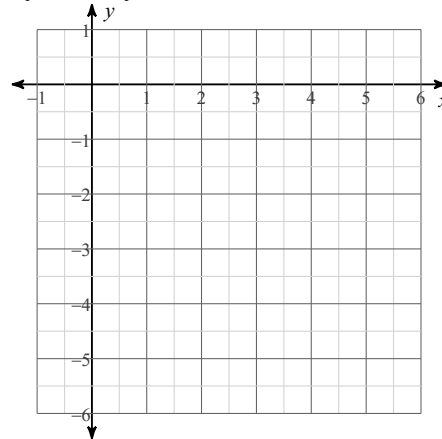
5) A(-2, 2), B(2, 6), C(4, 2), D(2, -2), E(-4, -2).

Dilate the shape by  $k = \frac{1}{2}$



6) W(3, 0), X(5, -2), Y(3, -6), Z(1, -2)

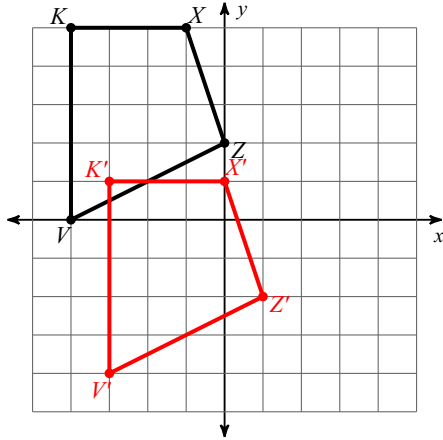
Draw any lines of linear symmetry and state the smallest angle of rotational symmetry.



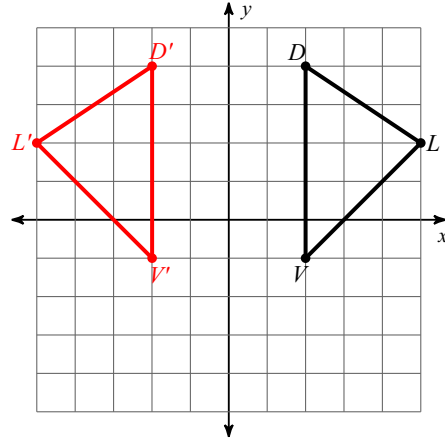
HW 2.4 Due 10/12 or 10/13

Graph the image of the figure using the transformation given.

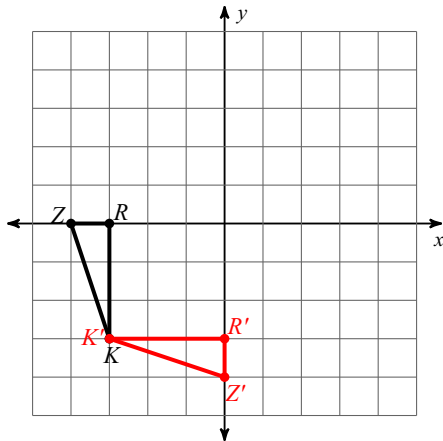
1) translation: 1 unit right and 4 units down



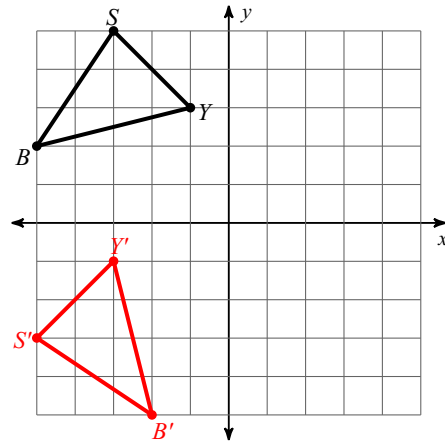
2) reflection across the y-axis



3) reflection across  $y = x$



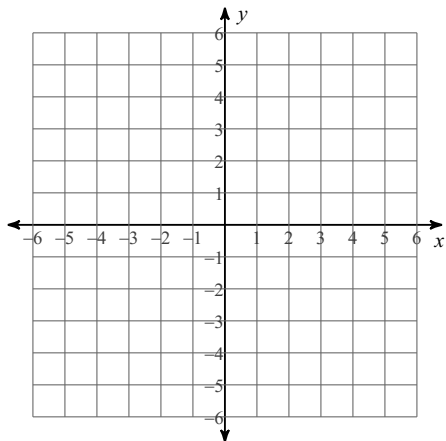
4) rotation  $90^\circ$  counterclockwise about the origin



For 5-6, plot and connect each point and then follow the directions below the set of points.

5) A(-2, 2), B(2, 6), C(4, 2), D(2, -2), E(-4, -2).

Dilate the shape by  $k = \frac{1}{2}$



6) W(3, 0), X(5, -2), Y(3, -6), Z(1, -2). Draw any lines of linear symmetry and state the smallest angle of rotational symmetry.

