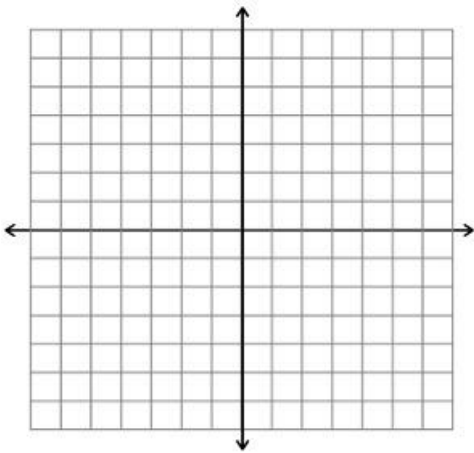


More 2.4 Homework– Multistep transformations

The vertices of a figure are given. Find the coordinates of the figure after the transformations given.

$R(-7, -5), S(-1, -2), T(-1, -5)$

Rotate 90 degrees counterclockwise about the origin. Then translate 3 units left and 5 units up.

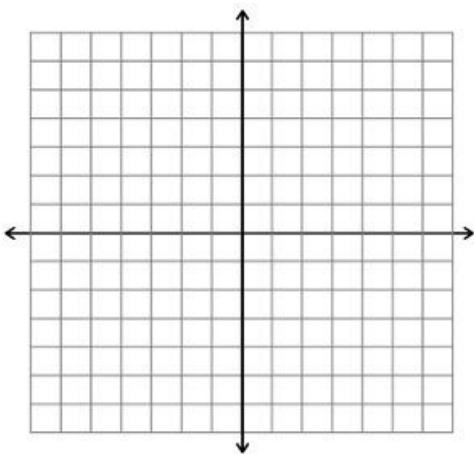


$R'(\quad , \quad) \quad S'(\quad , \quad) \quad T(\quad , \quad)$

$R''(\quad , \quad) \quad S''(\quad , \quad) \quad T''(\quad , \quad)$

$J(-4, 4), K(-3, 4), L(-1, 1), M(-4, 1)$

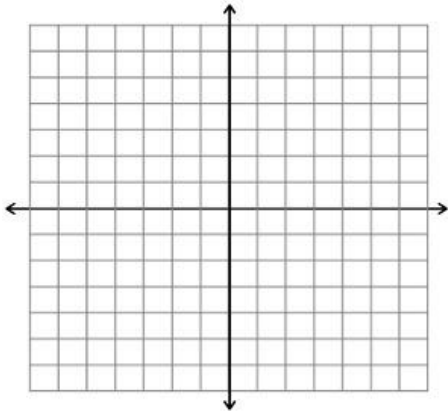
Reflect in the x -axis, and then rotate 180° about the origin.



$J'(\quad , \quad) \quad K'(\quad , \quad) \quad L'(\quad , \quad) \quad M'(\quad , \quad)$

$J''(\quad , \quad) \quad K''(\quad , \quad) \quad L''(\quad , \quad) \quad M''(\quad , \quad)$

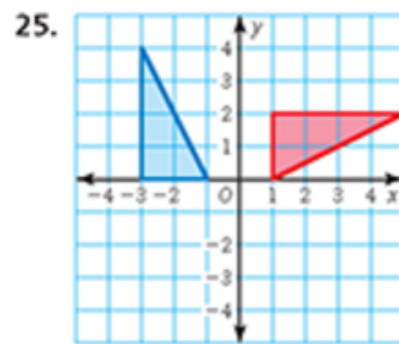
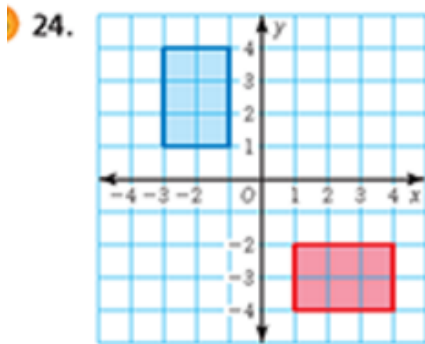
The vertices of a triangle are P(-1,2), Q (-1, 0) and R (2,0). Rotate the triangle 180 degrees and then reflect it in the x-axis. What are the coordinates of the image?



$P'(\quad , \quad)$ $Q'(\quad , \quad)$ $R'(\quad , \quad)$

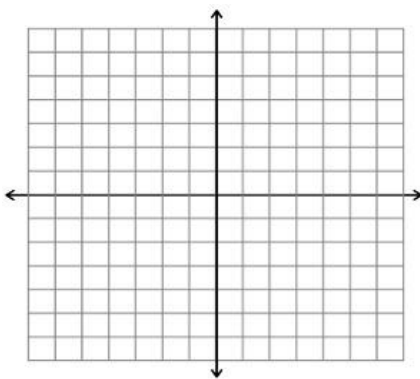
$P''(\quad , \quad)$ $Q''(\quad , \quad)$ $R''(\quad , \quad)$

The red figure is congruent to the blue figure. Describe two different sequences of transformations in which the blue figure is the image of the red figure.



- Draw a right triangle in Quadrant II. Reflect the triangle in the x-axis. Rotate the original triangle about the origin 90° clockwise.

$A(\quad , \quad)$ $B(\quad , \quad)$ $C(\quad , \quad)$ $D(\quad , \quad)$



$A'(\quad , \quad)$ $B'(\quad , \quad)$ $C'(\quad , \quad)$ $D'(\quad , \quad)$

$A''(\quad , \quad)$ $B''(\quad , \quad)$ $C''(\quad , \quad)$ $D''(\quad , \quad)$