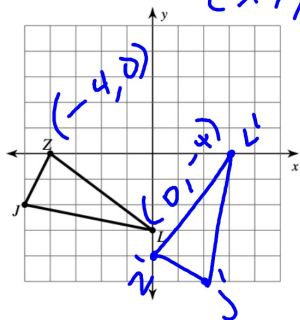


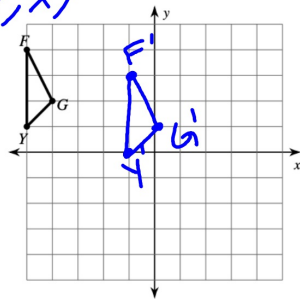
Graph the image of the figure using the transformation given.

1) rotation 90° counterclockwise about the origin

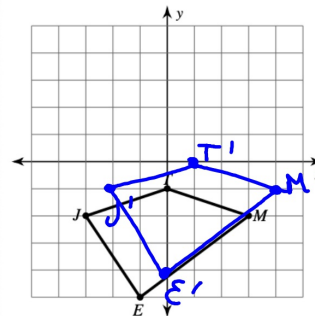
$$(x, y) \rightarrow (-y, x)$$



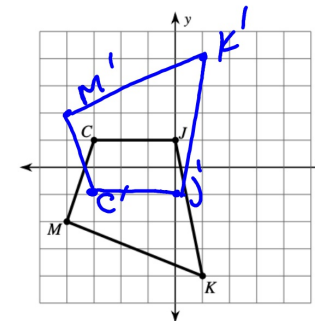
2) translation: 4 units right and 1 unit down



3) translation: 1 unit right and 1 unit up



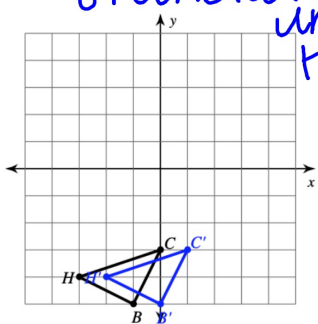
4) reflection across the x-axis



Write a rule to describe each transformation.

5)

translate 1 unit to the rt.



6)

reflection $x = 3$

