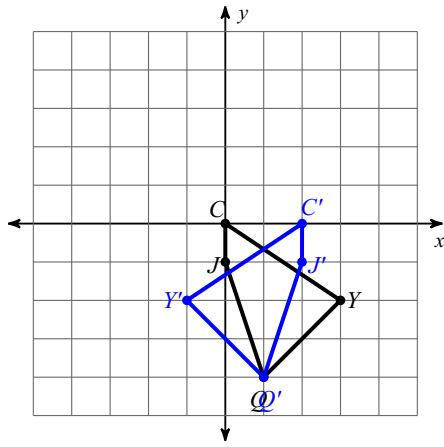


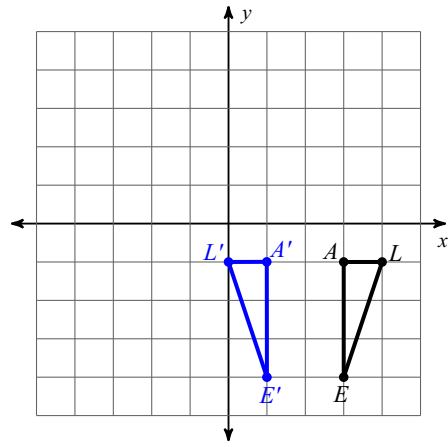
Reflections, Rotations, & Translations HW#3

Write a rule to describe each transformation.

1)

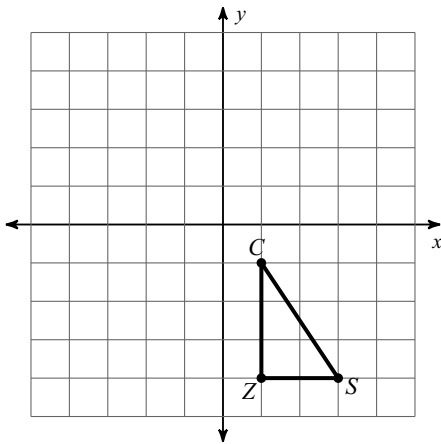


2)

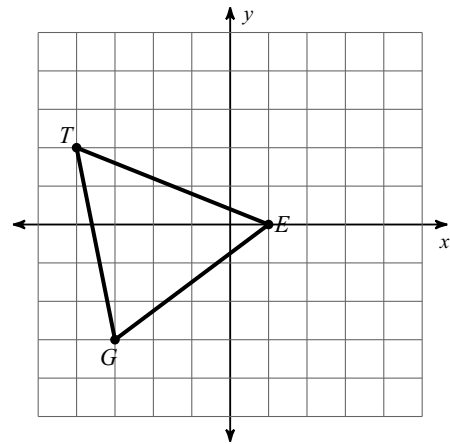


Graph the image of the figure using the transformation given.

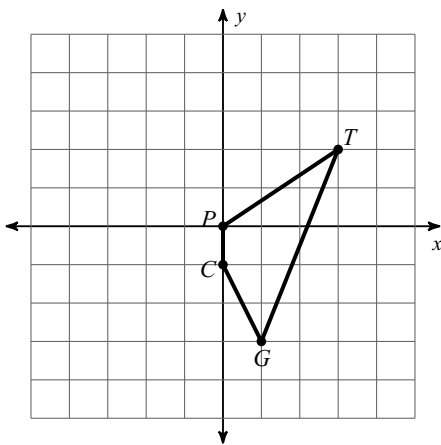
3) reflection across $y = x$



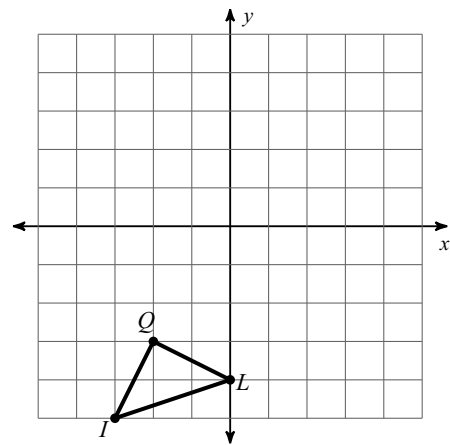
4) reflection across $y = -1$



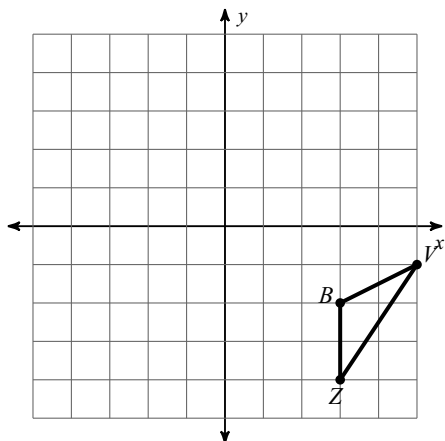
5) reflection across $y = 1$



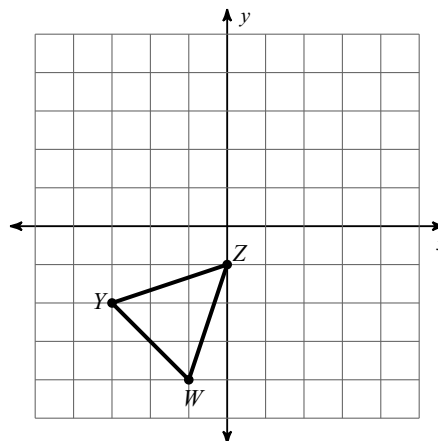
6) reflection across $y = -x$



7) rotation 90° clockwise about the origin

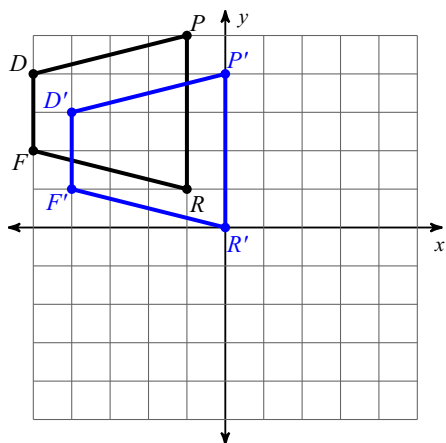


8) rotation 180° about the origin

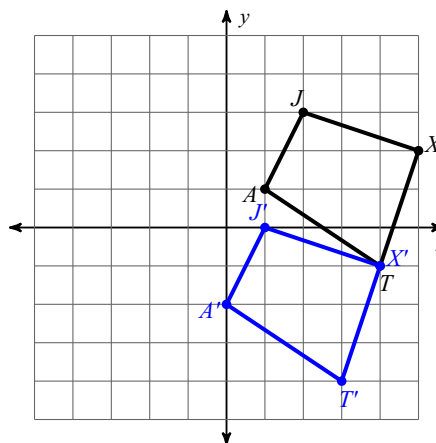


Write a rule to describe each transformation.

9)

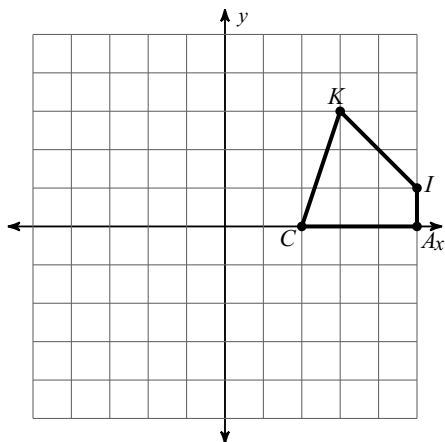


10)

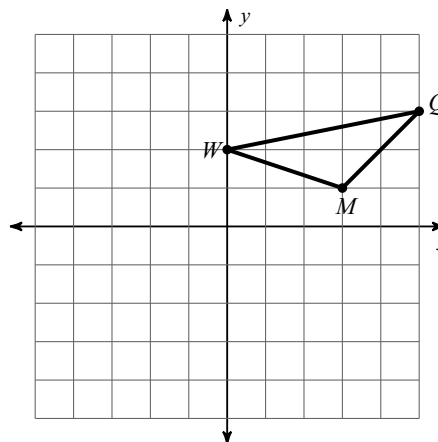


Graph the image of the figure using the transformation given.

11) translation: $(x, y) \rightarrow (x - 6, y + 1)$



12) translation: $(x, y) \rightarrow (x - 2, y - 4)$

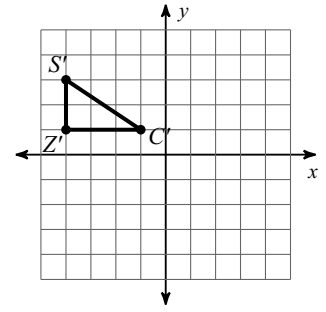


Answers to Reflections, Rotations, & Translations HW#3 (ID: 1)

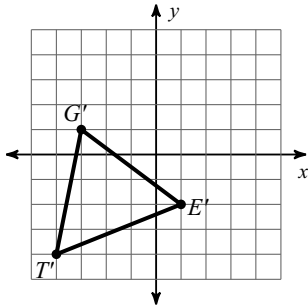
1) reflection across $x = 1$

2) reflection across $x = 2$

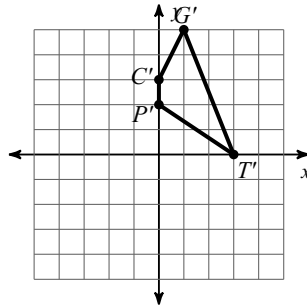
3)



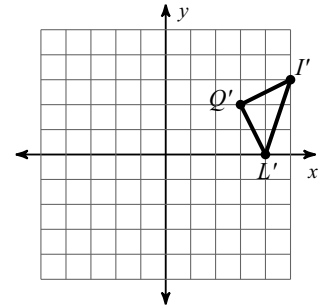
4)



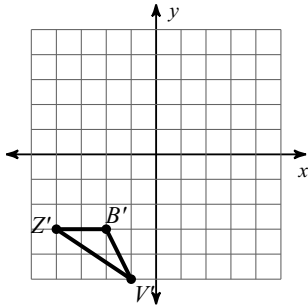
5)



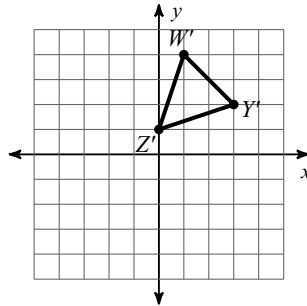
6)



7)



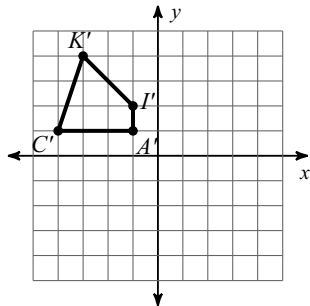
8)



9) translation: 1 unit right and 1 unit down

10) translation: 1 unit left and 3 units down

11)



12)

