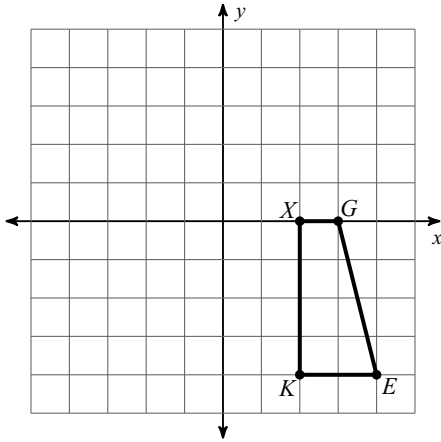


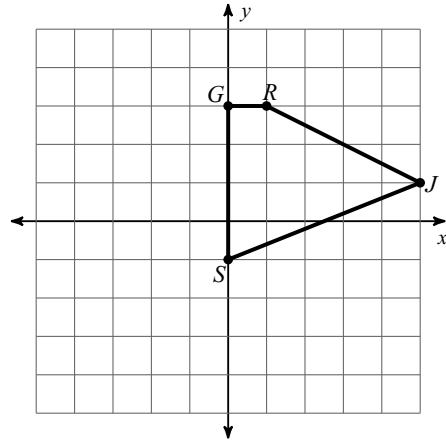
Reflections and Translations Practice

Graph the image of the figure using the transformation given. Label each new vertex using primes.

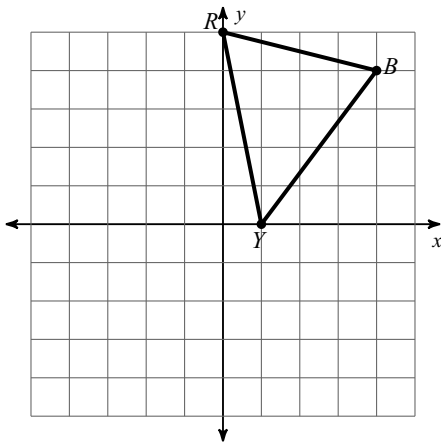
1) translation: $(x, y) \rightarrow (x - 5, y + 1)$



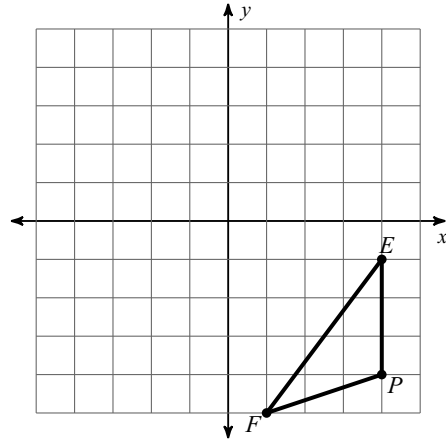
2) translation: $(x, y) \rightarrow (x - 5, y - 4)$



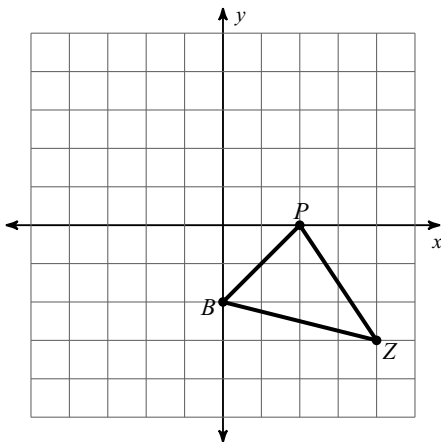
3) reflection across $y = -x$



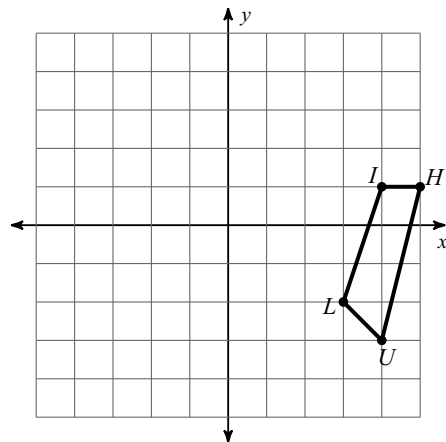
4) reflection across the y-axis



5) reflection across $y = x$

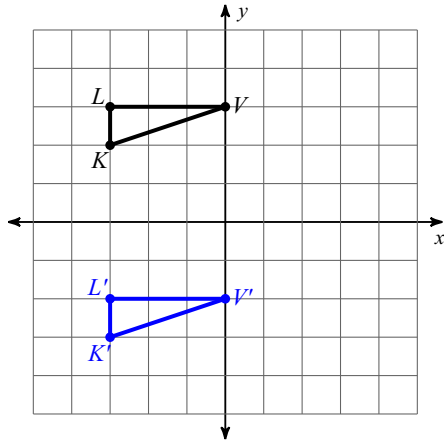


6) translation: $(x, y) \rightarrow (x - 8, y + 2)$

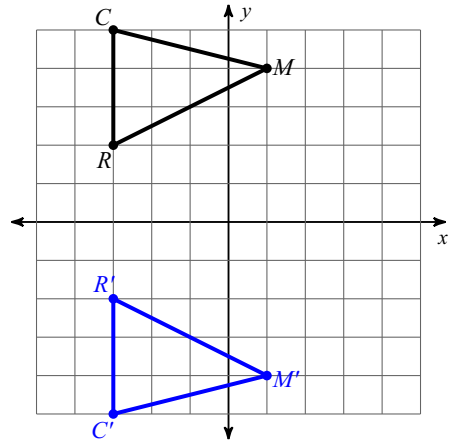


Write a rule in arrow notation to describe each transformation.

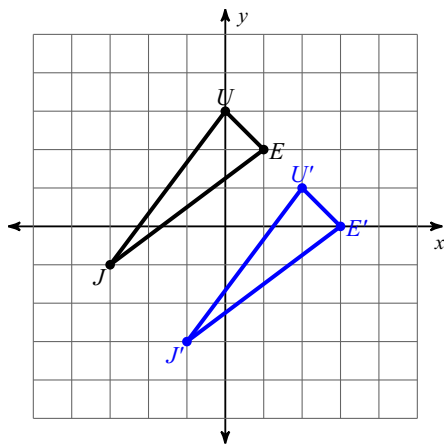
7)



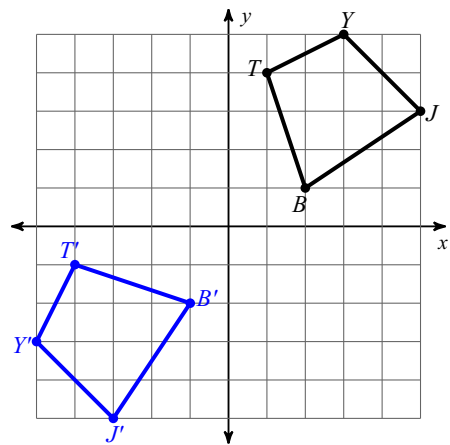
8)



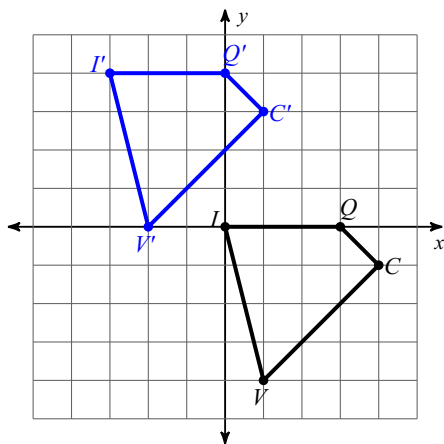
9)



10)



11)



12)

