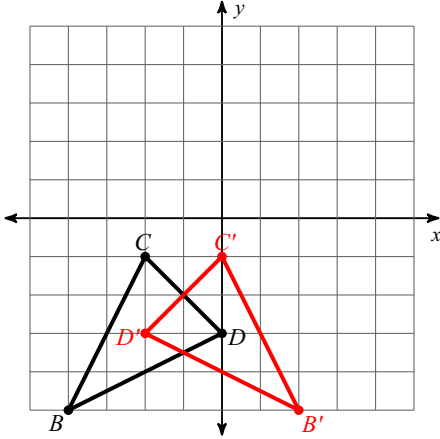


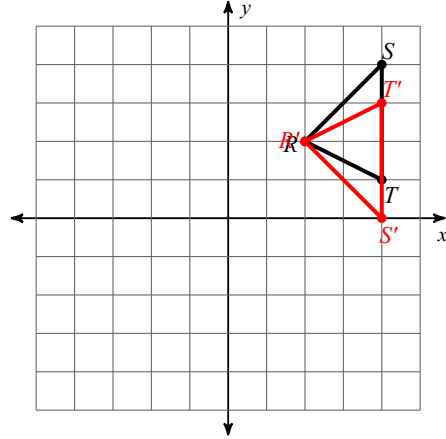
Section 16.2--Reflections

Graph the image of the figure using the transformation given.

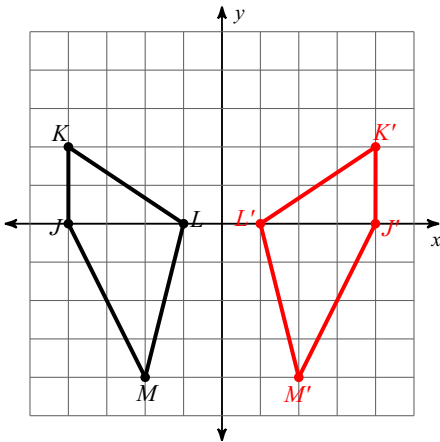
1) reflection across  $x = -1$



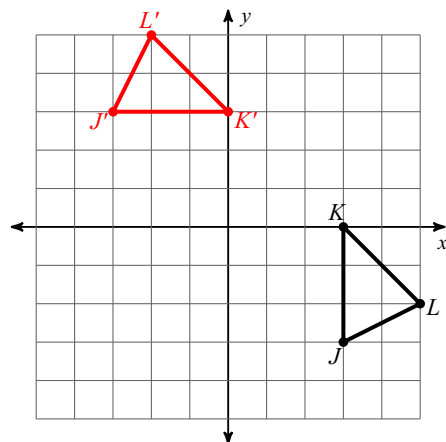
2) reflection across  $y = 2$



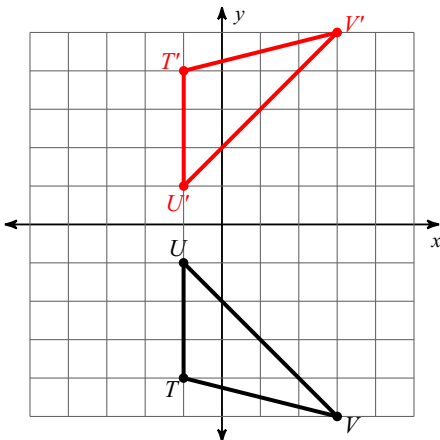
3) reflection across the y-axis



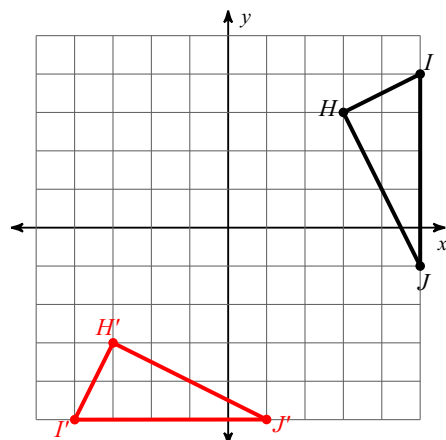
4) reflection across  $y = x$



5) reflection across the x-axis

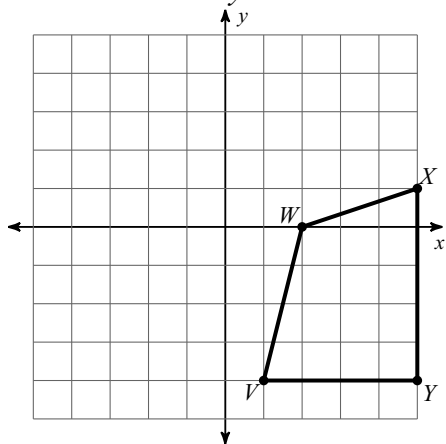


6) reflection across  $y = -x$



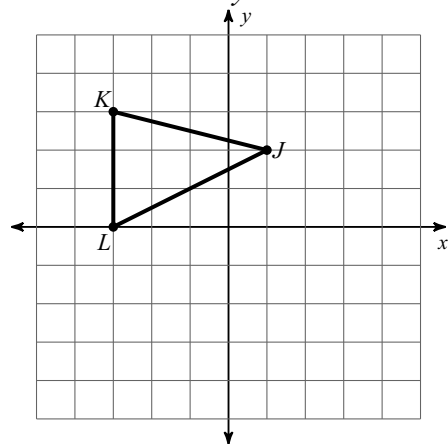
**Find the coordinates of the vertices of each figure after the given transformation.**

7) reflection across  $y = x$



$W'(0, 2), X'(1, 5), Y'(-4, 5), V'(-4, 1)$

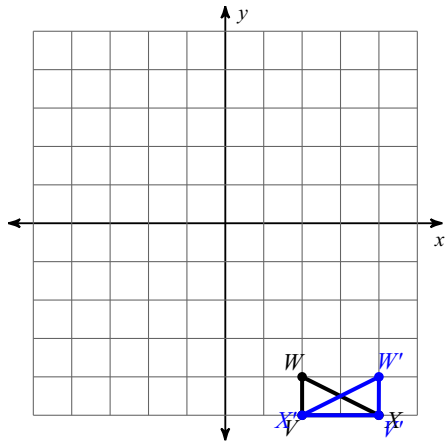
8) reflection across  $y = -1$



$K'(-3, -5), J'(1, -4), L'(-3, -2)$

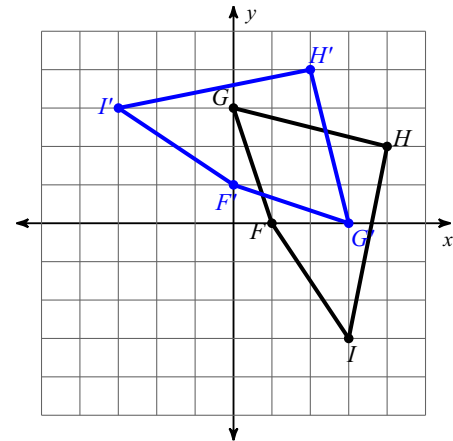
**Write a rule to describe each transformation.**

9)



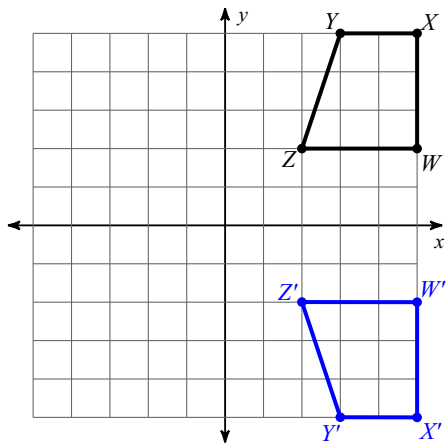
reflection across  $x = 3$

10)



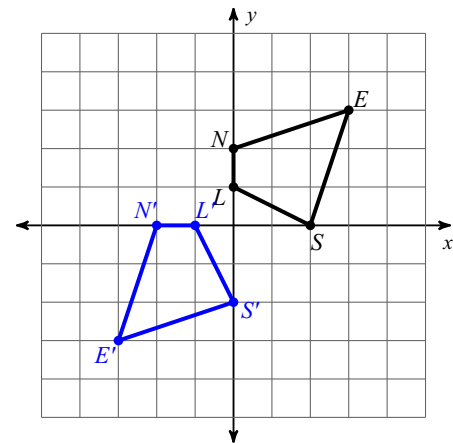
reflection across  $y = x$

11)



reflection across the x-axis

12)



reflection across  $y = -x$