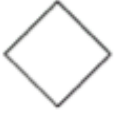


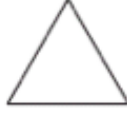
13.2 Reflections and lines of symmetry

How many lines of symmetry do each of the following have?

1.



2.



3.



4.



5.

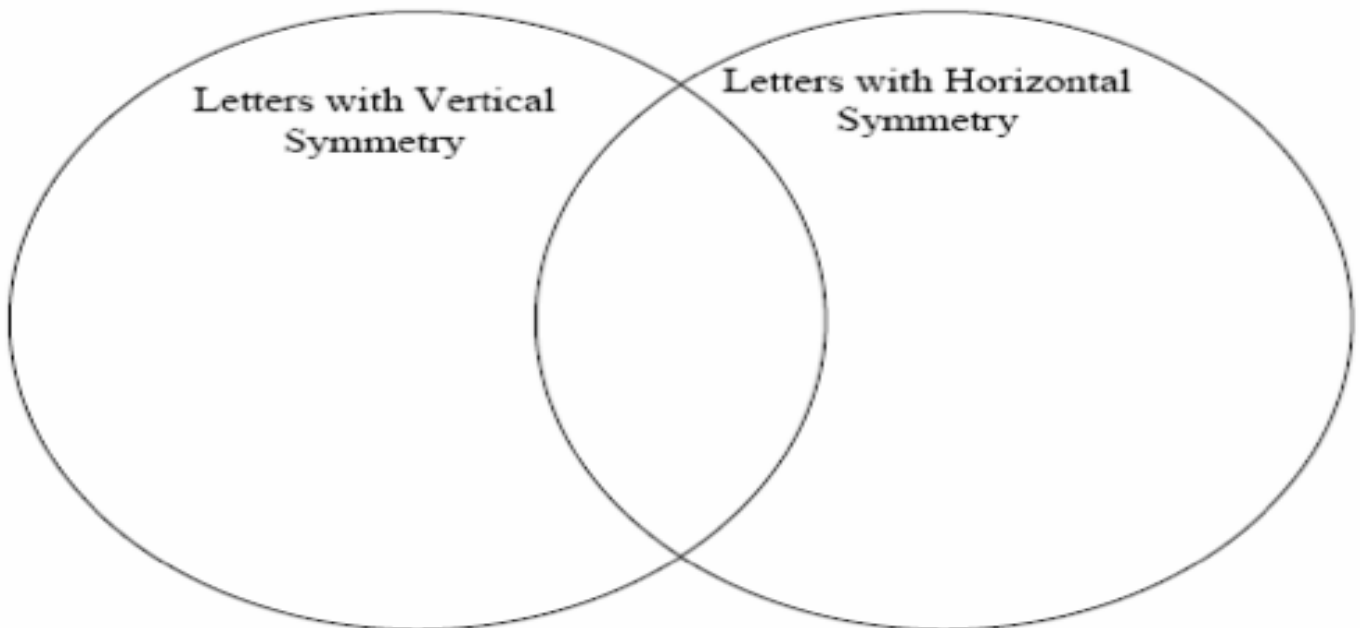


6.



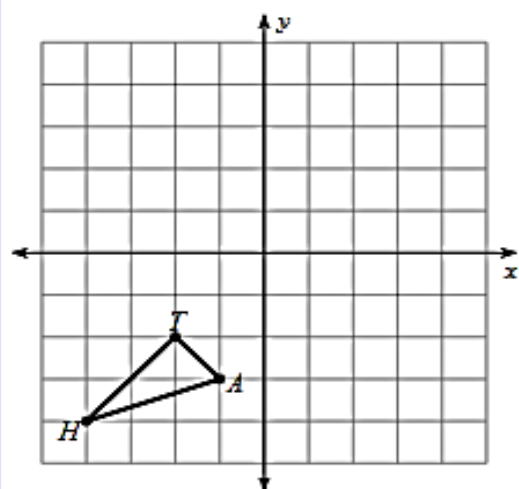
7. Place the letters where they belong in the diagram below (Some may not fit in either):

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

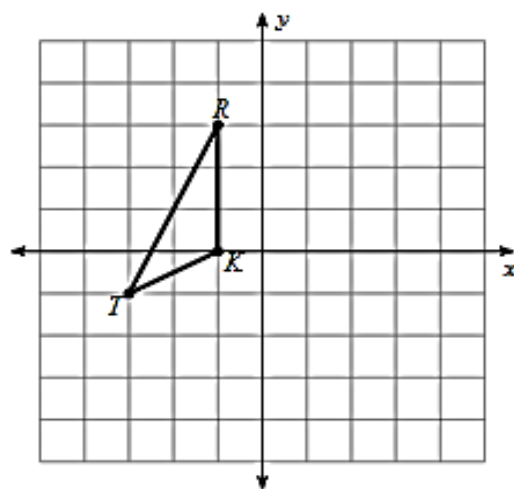


Graph the image of the figure using the transformation given.

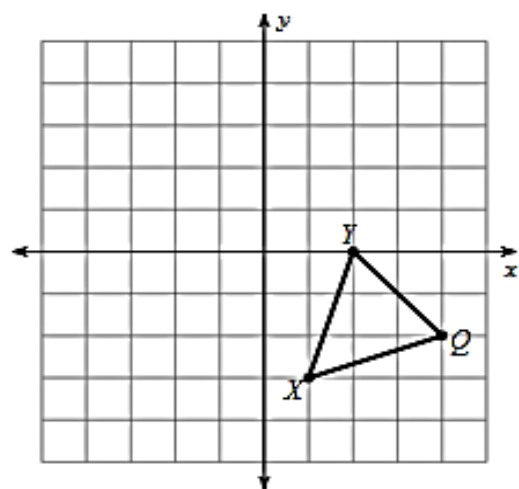
8) reflection across $y = -x$



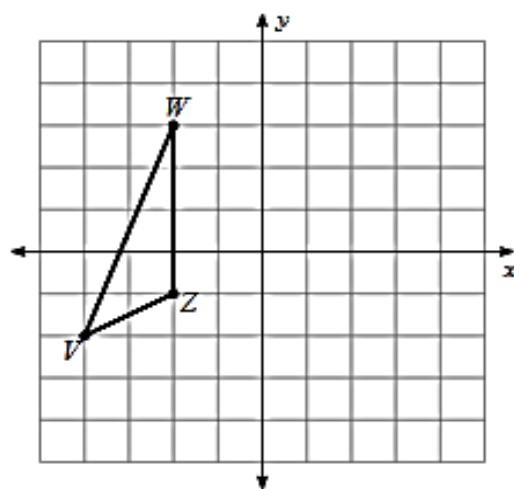
9) reflection across the x-axis



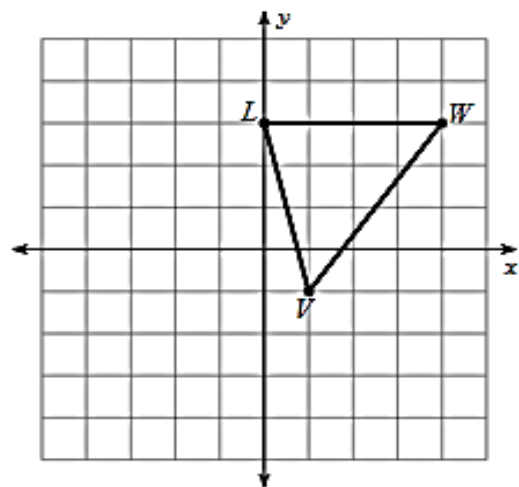
10) reflection across $y = 1$



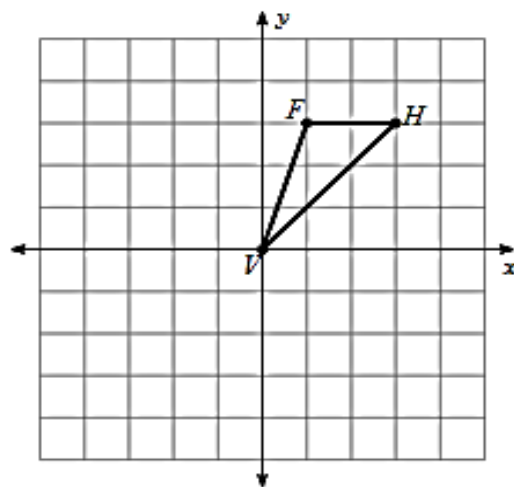
11) reflection across $y = x$



12) reflection across $y = x$

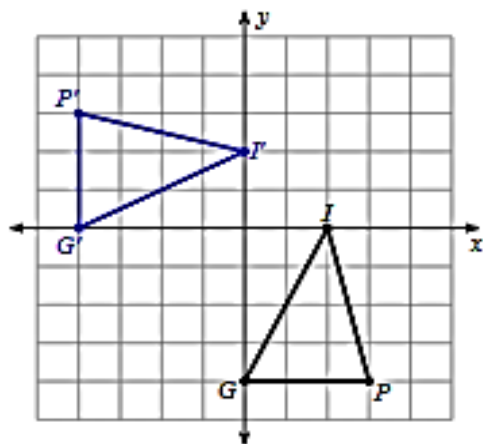


13) reflection across $x = 2$

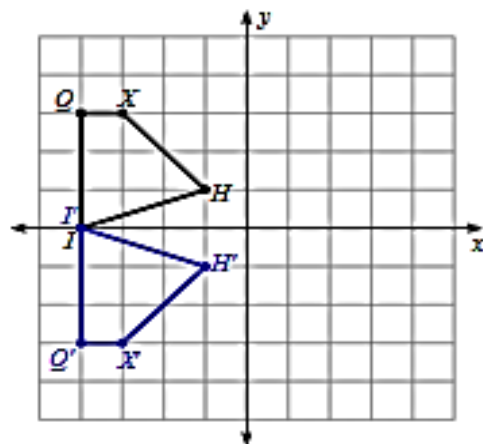


Write a rule to describe each transformation.

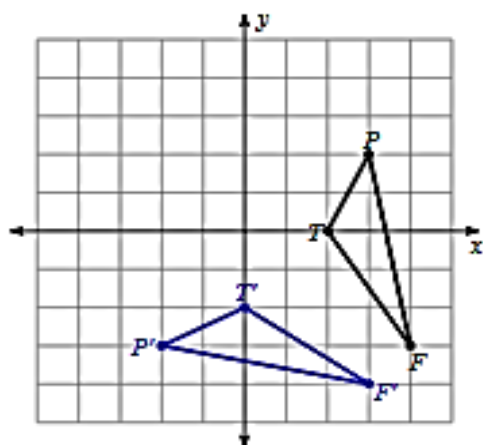
14)



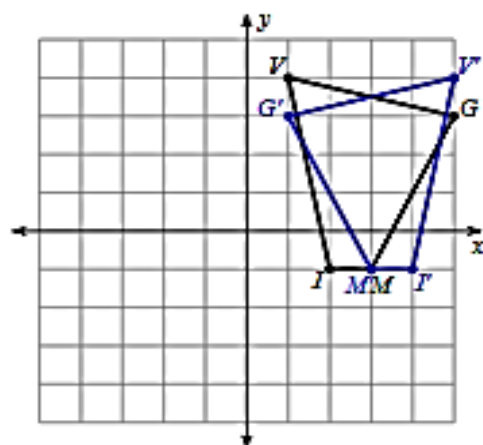
15)



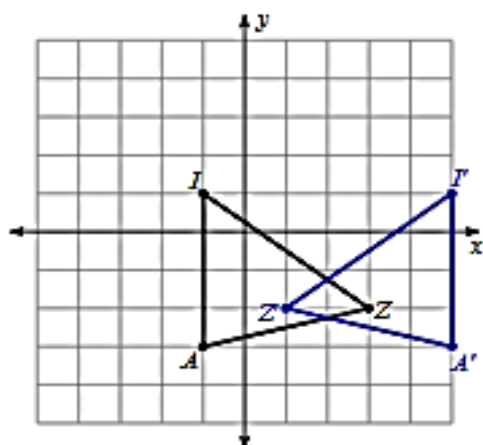
16)



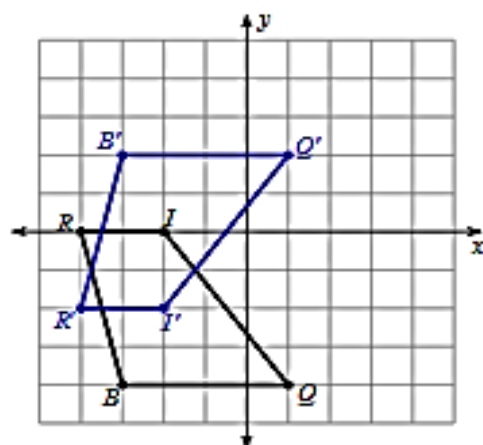
17)



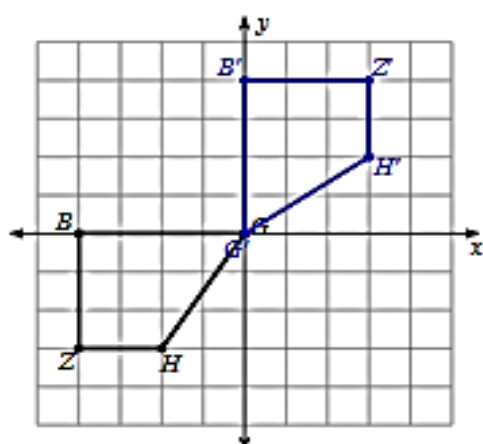
18)



19)



20)



21)

