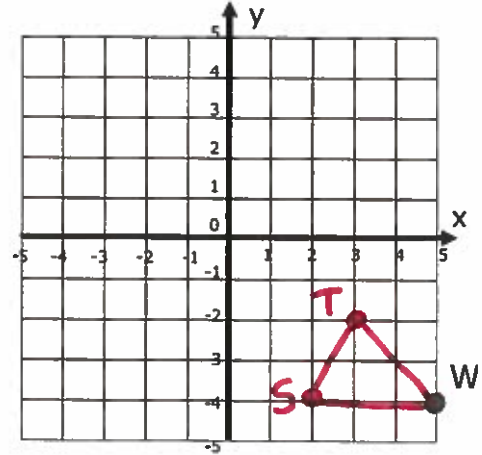


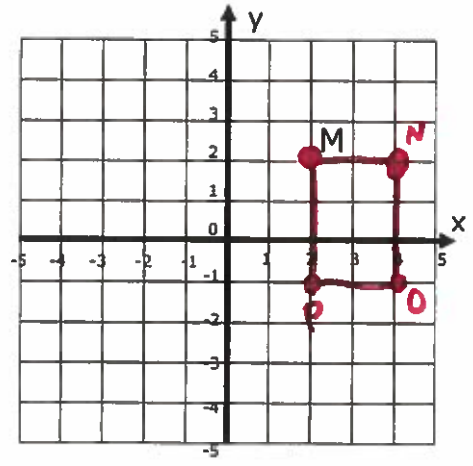
**Dilations, Translations, Rotations, and Reflections- Independent Practice Worksheet**

Complete all the problems.

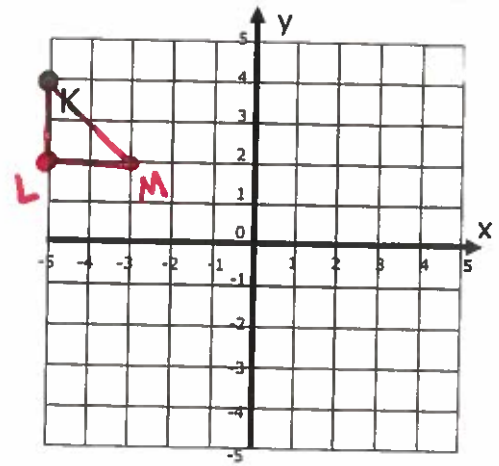
1) If the point  $W(5,-4)$  is reflected over the x axis, what will be the coordinates of the resulting point,  $W'$ ?



2) If the point  $M(2,2)$  is reflected over the y axis, what will be the coordinates of the resulting point,  $M'$ ?



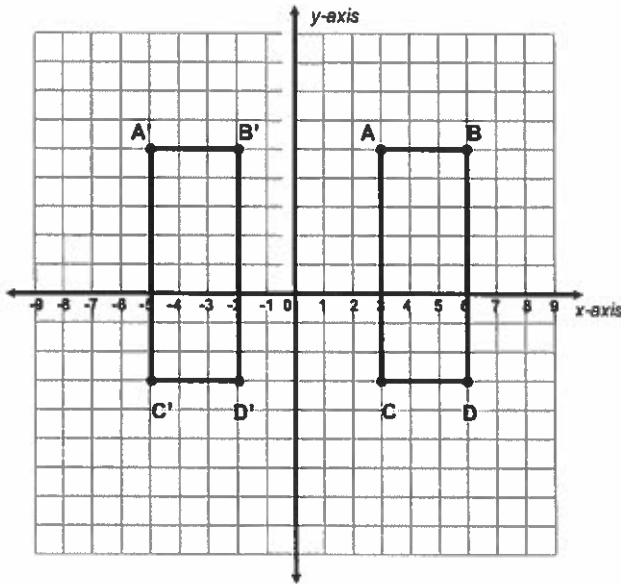
3) What will be the coordinates of the point  $K'$  if the point  $K(-5,4)$  is translated  
*by the rule*  
 *$(x+6, y-7)$*



4.) In Math the word translate means to \_\_\_\_\_ a figure.

Describe the translation.

5.)



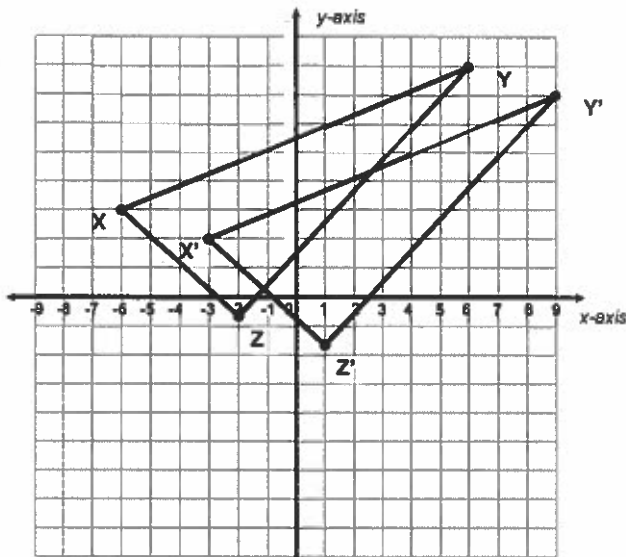
Description:

The figure ...

\_\_\_\_\_

\_\_\_\_\_

6.)



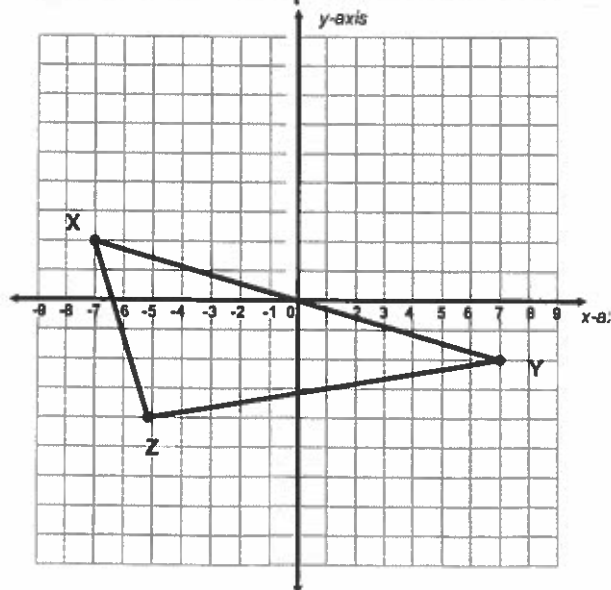
Description:

The figure ...

\_\_\_\_\_

\_\_\_\_\_

7.)



Draw the translation of Triangle XYZ two units to the right and three units up. Label your new triangle X'Y'Z'.

What are the coordinates of X'? \_\_\_\_\_

What quadrant is Y' in? \_\_\_\_\_