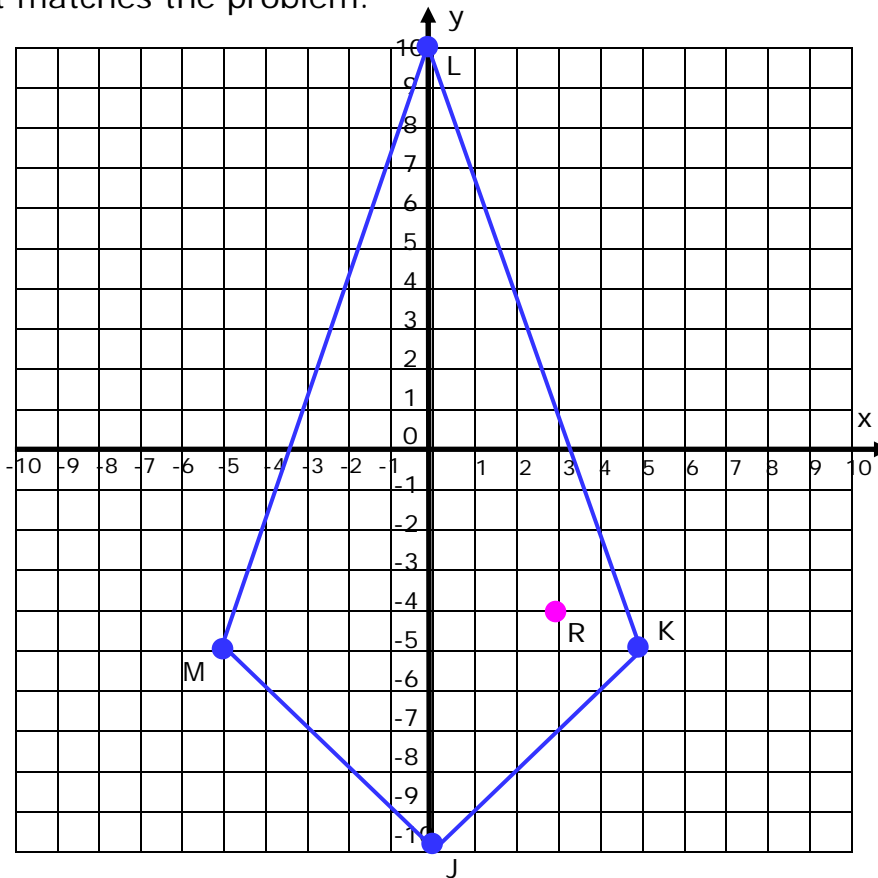


## Dilations, Translations, Rotations, and Reflections- Matching Worksheet

Match the word problems to their answers. Write the letter of the answer that matches the problem.



- \_\_\_\_\_ 1. What will be the coordinates of the point  $V'$  if the point  $R(4, -3)$  is rotated  $270^\circ$  counterclockwise around the origin?      a.  $R'(3, 4)$
- \_\_\_\_\_ 2. If the point  $R(4, -3)$  is reflected over the x axis, what will be the coordinates of the resulting point,  $R'$ ?      b.  $J'(0, -2)$ ,  
 $K'(1, -1)$ ,  
 $L'(0, 2)$ ,  
 $M'(-1, -1)$
- \_\_\_\_\_ 3. What will be the coordinates of the point  $R'$  if the point  $R(4, -3)$  is translated 13 units up?      c.  $R'(-3, -4)$
- \_\_\_\_\_ 4. What will be the coordinates of the image of kite JKLM after dilation with the scale factor of  $1/5$ , centered at the origin?      d.  $R'(3, 9)$

