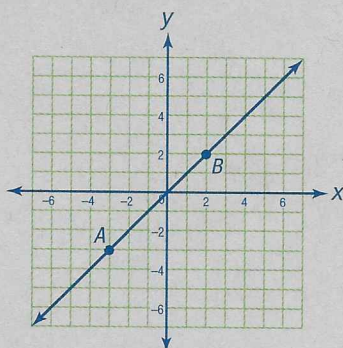


# Practice

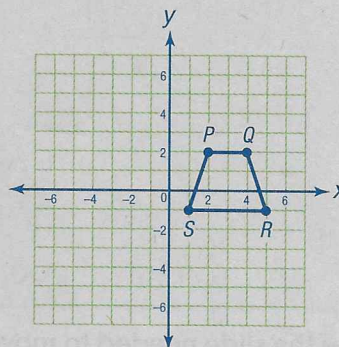
Draw the image for each translation of the given preimage. Use prime (') symbols to name points on each image.

1. Translate  $\overleftrightarrow{AB}$  3 units to the right.

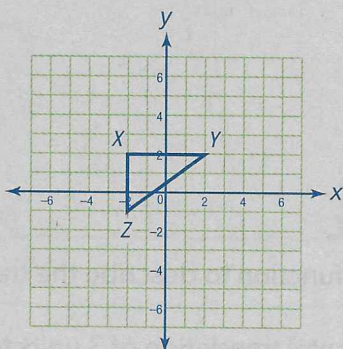


A translation to the right affects the x-coordinate.

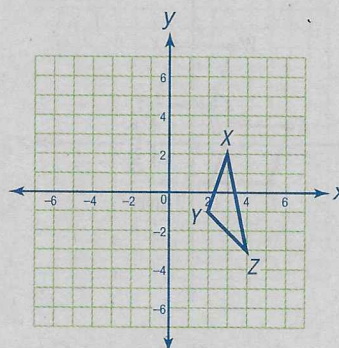
2. Translate trapezoid PQRS 7 units to the left and 4 units down.



3.  $T(x, y) = (x, y - 4)$



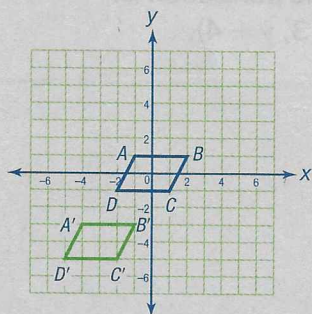
4.  $T(x, y) = (x - 8, y + 3)$



**REMEMBER** The preimage and the image should be the same size and same shape.

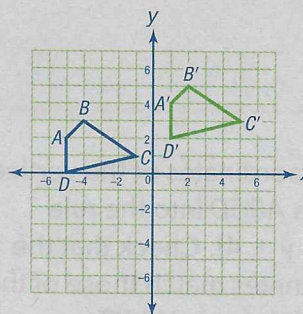
Write a function to describe how the quadrilateral ABCD was translated to form A'B'C'D' in each graph.

5.



$T(x, y) =$  \_\_\_\_\_

6.



$T(x, y) =$  \_\_\_\_\_