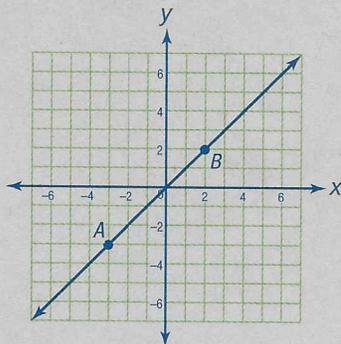


Practice

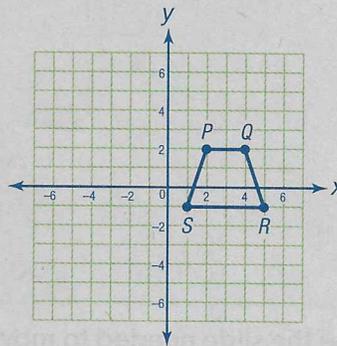
Draw the image for each translation of the given preimage. Use prime (') symbols to name points on each image.

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

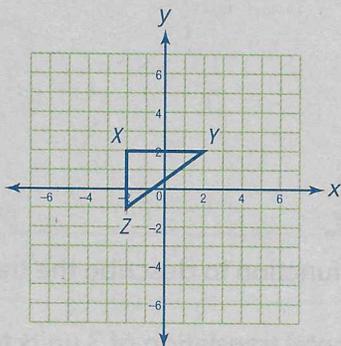


A translation to the right affects the x-coordinate.

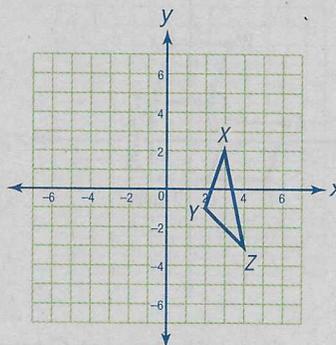
2. Translate trapezoid $PQRS$ 7 units to the left and 4 units down.



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



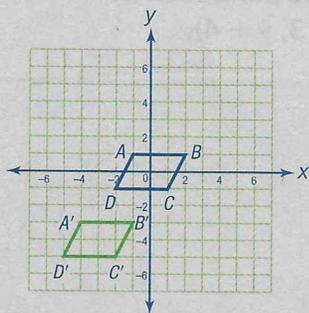
4. $T(x, y) = (x - 8, y + 3)$



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

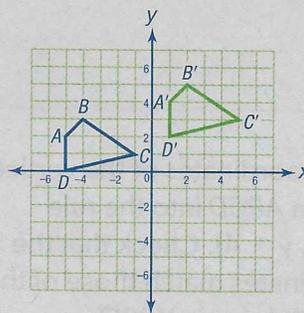
Write a function to describe how the quadrilateral $ABCD$ was translated to form $A'B'C'D'$ in each graph.

5.



$T(x, y) =$ _____

6.



$T(x, y) =$ _____