

# Transformations - Translation

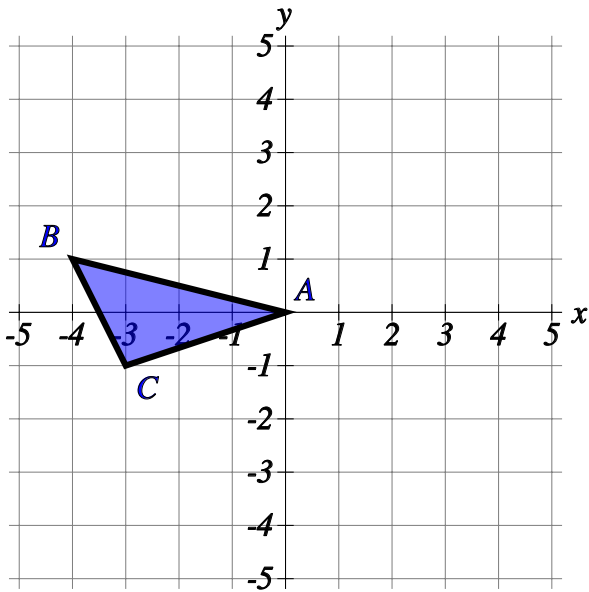
Name:	Class:	Date:
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Mark	/ 10	%
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1) Translate the triangle ABC by the vector  $\begin{pmatrix} 4 \\ 3 \end{pmatrix}$ .

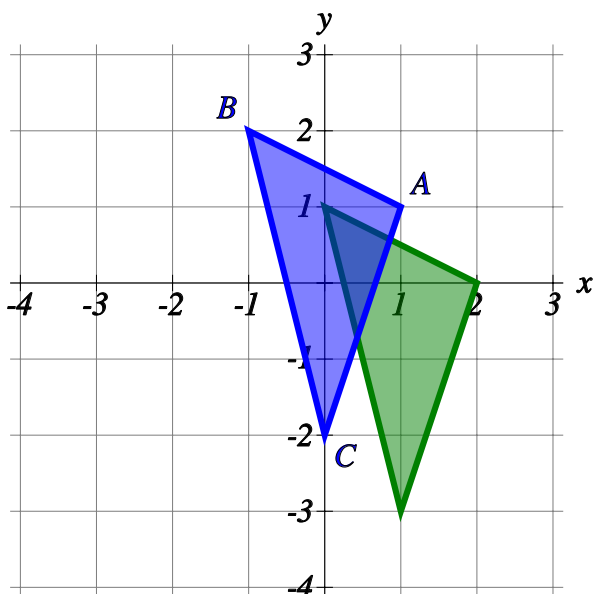
[1]

Give the coordinates of the image point A'



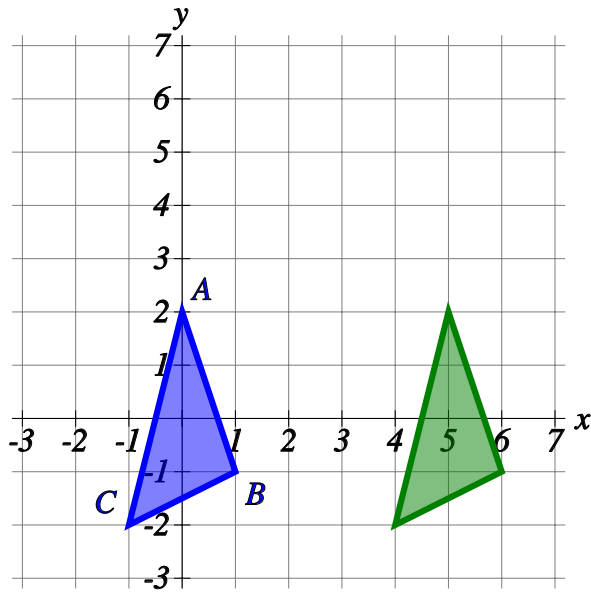
2) Fully describe the single transformation from the triangle ABC to its image

[1]

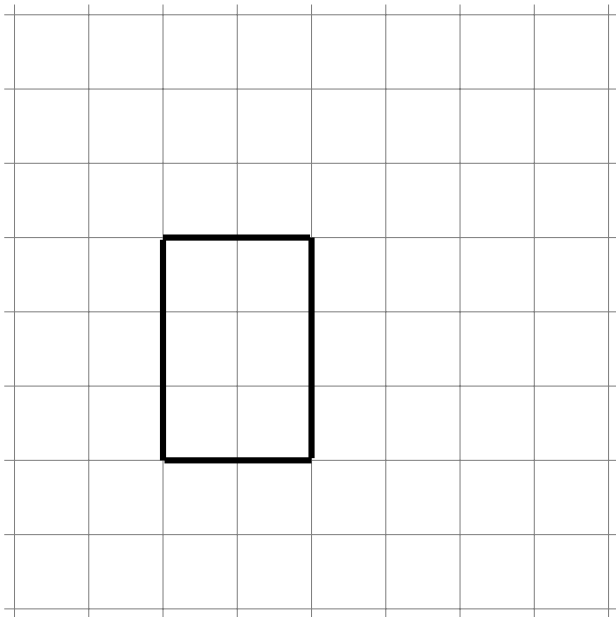


3) Fully describe the single transformation from the triangle ABC to its image

[1]

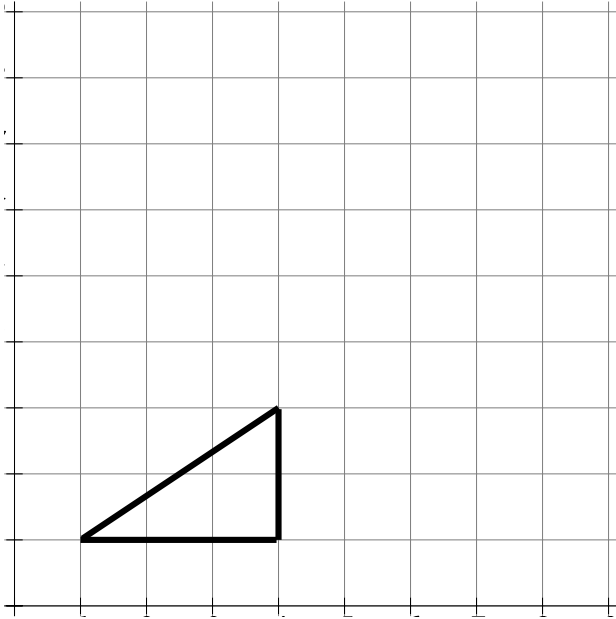


4) Translate the shape 2 boxes to the right and 3 boxes up.



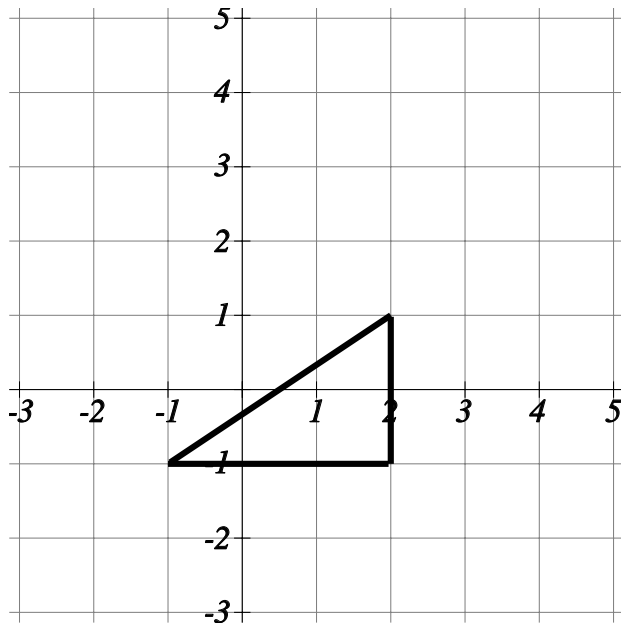
[1]

5) Translate the shape 4 boxes to the right and 4 boxes up.



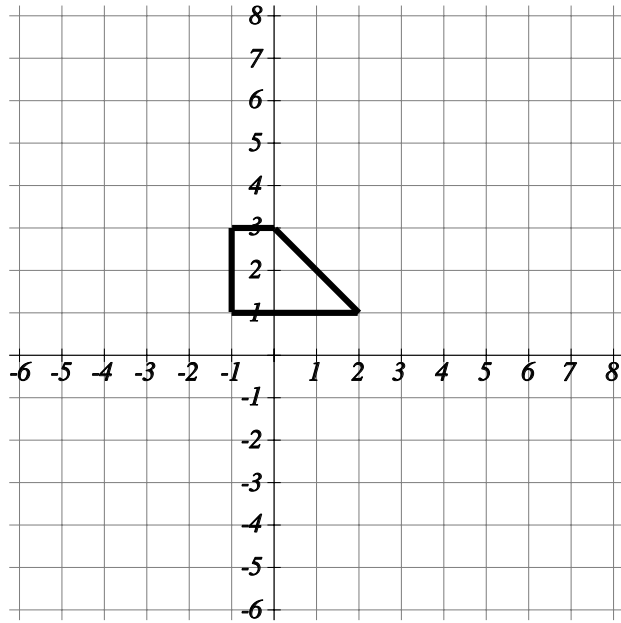
[1]

6) Translate the shape by the vector  $\begin{pmatrix} -1 \\ 3 \end{pmatrix}$ .



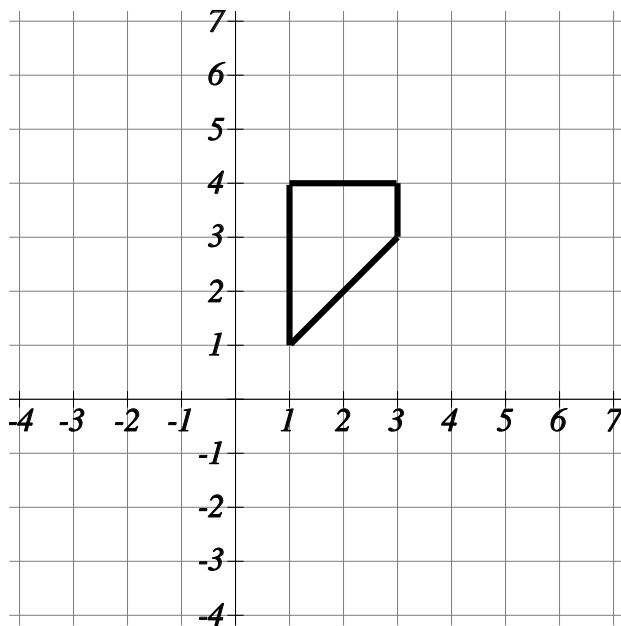
[1]

7) Translate the shape 4 boxes to the left and 4 boxes up.



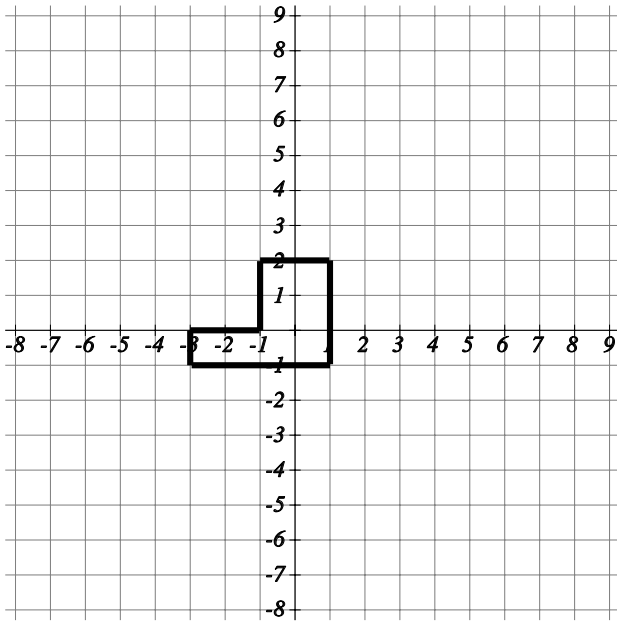
[1]

8) Translate the shape by the vector  $\begin{pmatrix} -2 \\ -1 \end{pmatrix}$ .



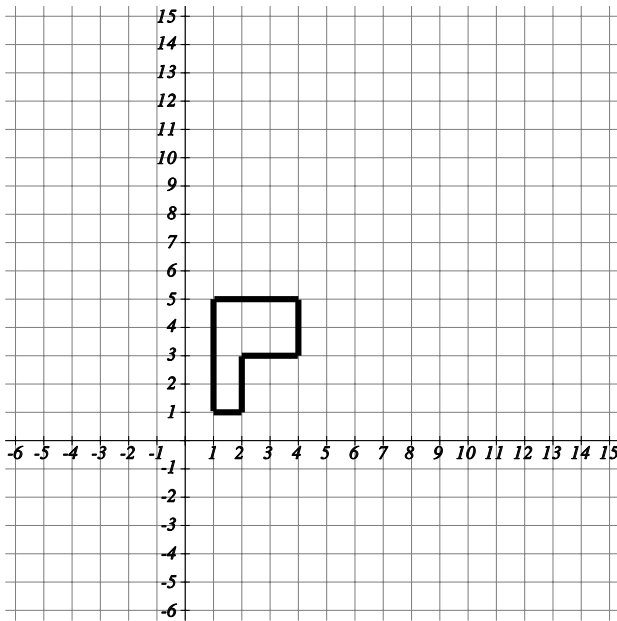
[1]

9) Translate the shape 4 boxes to the left and 6 boxes up.



[1]

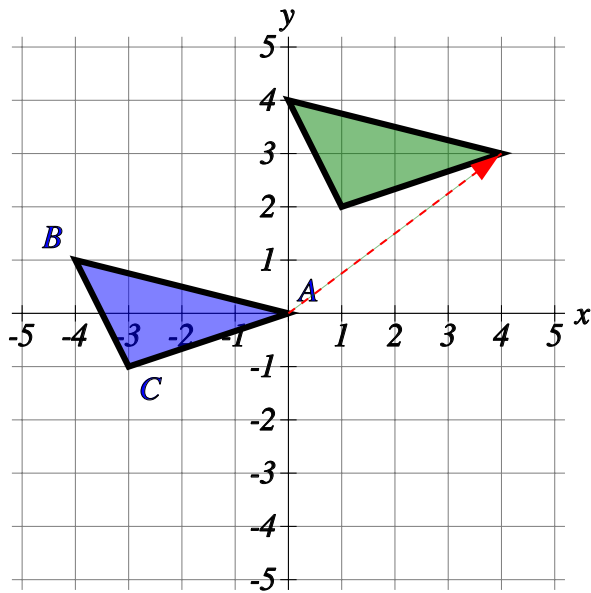
10) Translate the shape by the vector  $\begin{pmatrix} -6 \\ 9 \end{pmatrix}$ .



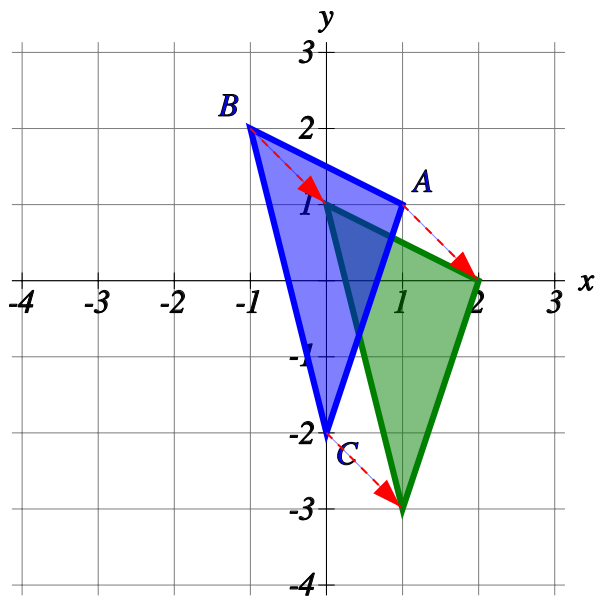
[1]

## Solutions for the assessment Transformations - Translation

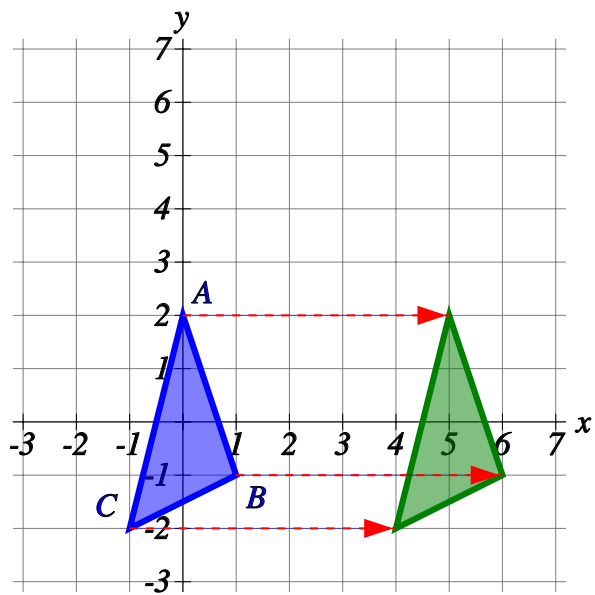
1) Translation by vector  $\begin{pmatrix} 4 \\ 3 \end{pmatrix}$  gives image point  $A' = (4,3)$



2) translation by vector  $\begin{pmatrix} 1 \\ -1 \end{pmatrix}$



3) translation by vector  $\begin{pmatrix} 5 \\ 0 \end{pmatrix}$



4)

