

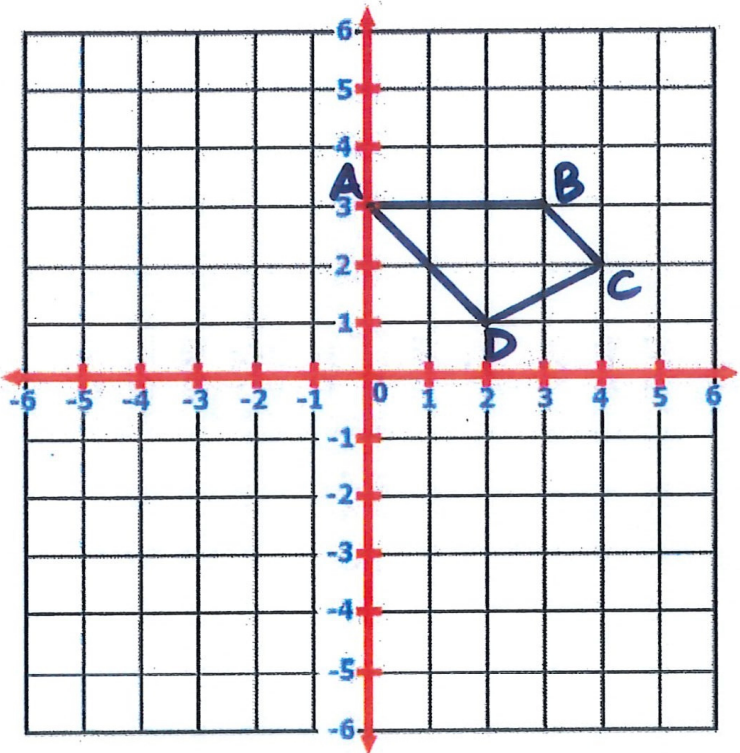
# TRANSFORMATIONS: Translation (vectors) Date:

Name:

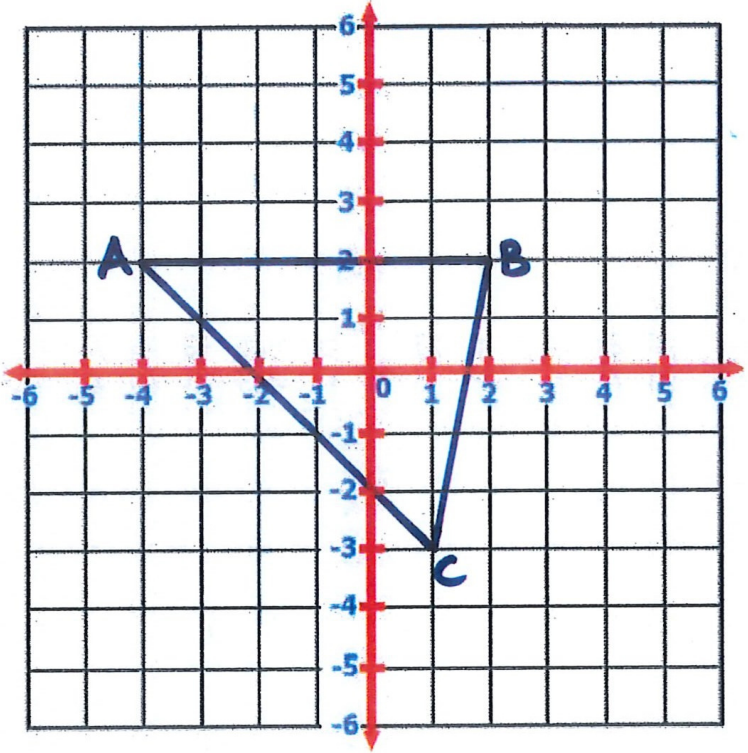
Translate each shape as indicated. Label each image.

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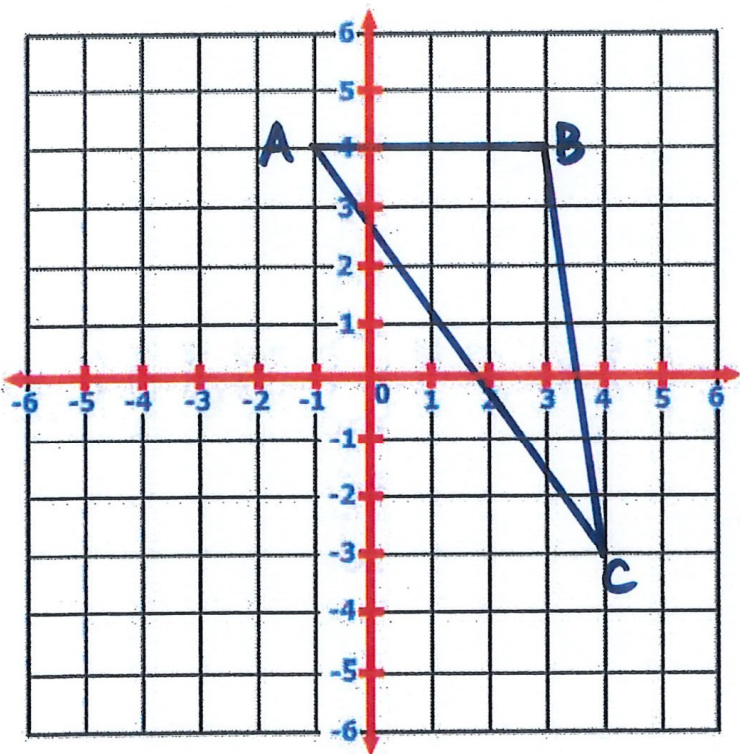
[1] Translate the shape by the vector  $\begin{pmatrix} 1 \\ -1 \end{pmatrix}$ .  
Label the image.



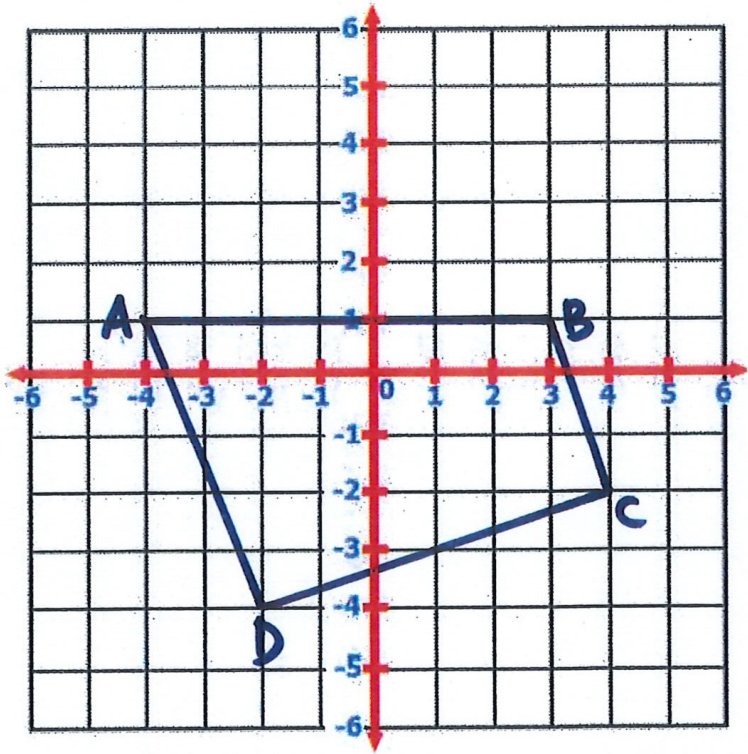
[2] Translate the shape by the vector  $\begin{pmatrix} 2 \\ -2 \end{pmatrix}$ .  
Label the image.



[3] Translate the shape by the vector  $\begin{pmatrix} 2 \\ 1 \end{pmatrix}$ .  
Label the image.



[4] Translate the shape by the vector  $\begin{pmatrix} -1 \\ 2 \end{pmatrix}$ .  
Label the image.



**TRANSFORMATIONS: Translation (vectors)** Date:

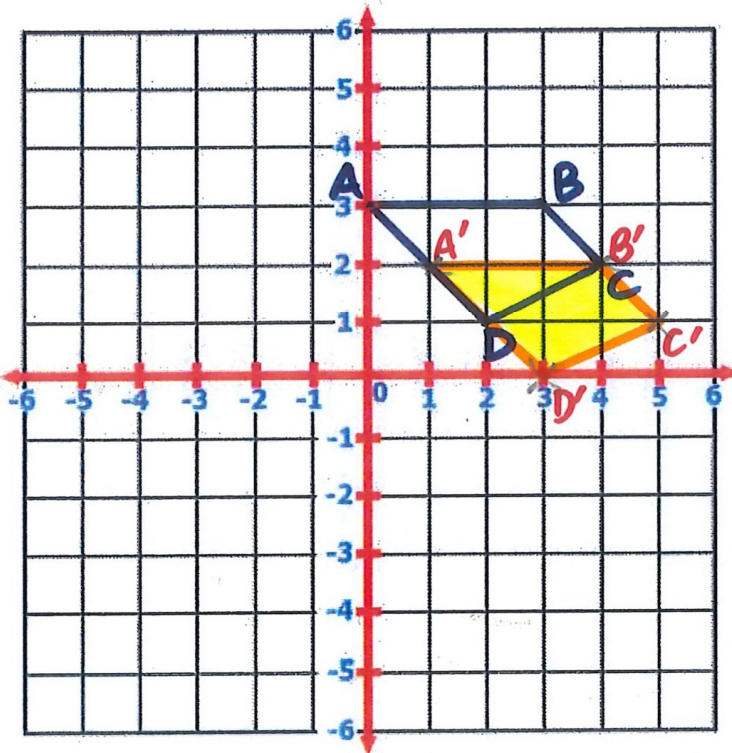
Name:

Translate each shape as indicated. Label each image.

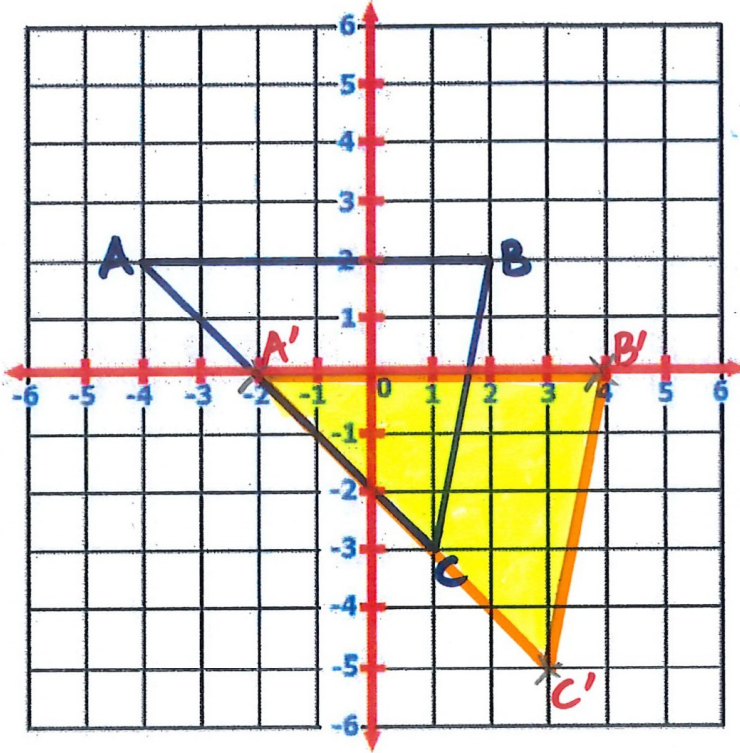
# SOLUTIONS

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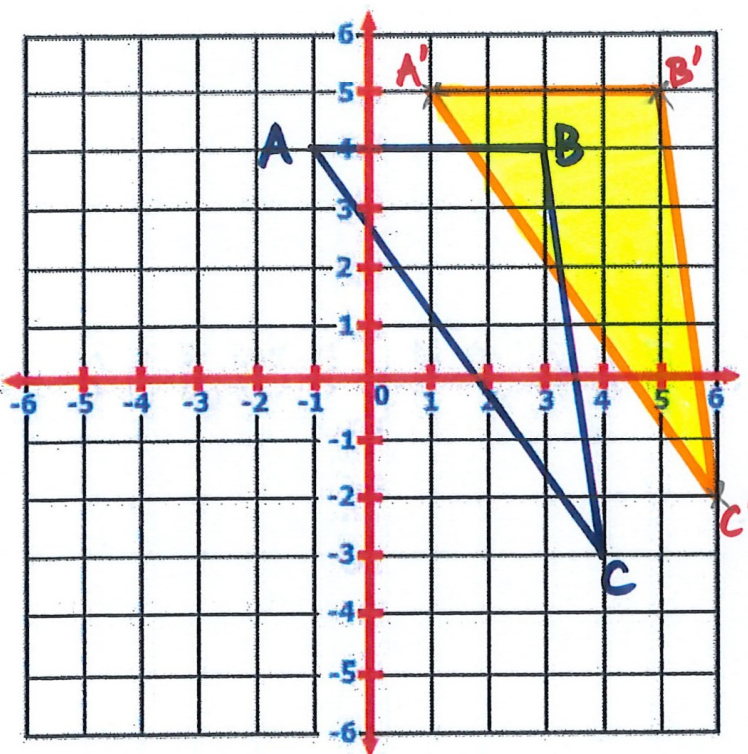
[1] Translate the shape by the vector  $\begin{pmatrix} 1 \\ -1 \end{pmatrix}$ .  
Label the image.



[2] Translate the shape by the vector  $\begin{pmatrix} 2 \\ -2 \end{pmatrix}$ .  
Label the image.



[3] Translate the shape by the vector  $\begin{pmatrix} 2 \\ 1 \end{pmatrix}$ .  
Label the image.



[4] Translate the shape by the vector  $\begin{pmatrix} -1 \\ 2 \end{pmatrix}$ .  
Label the image.

