

# TRANSFORMATIONS: Rotation

Date:

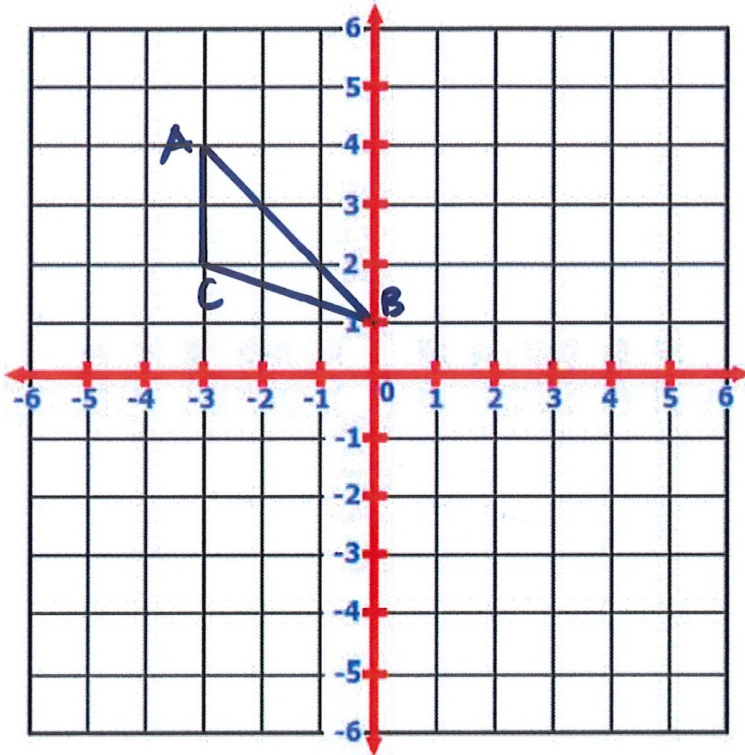
Name:

Rotate each shape as indicated

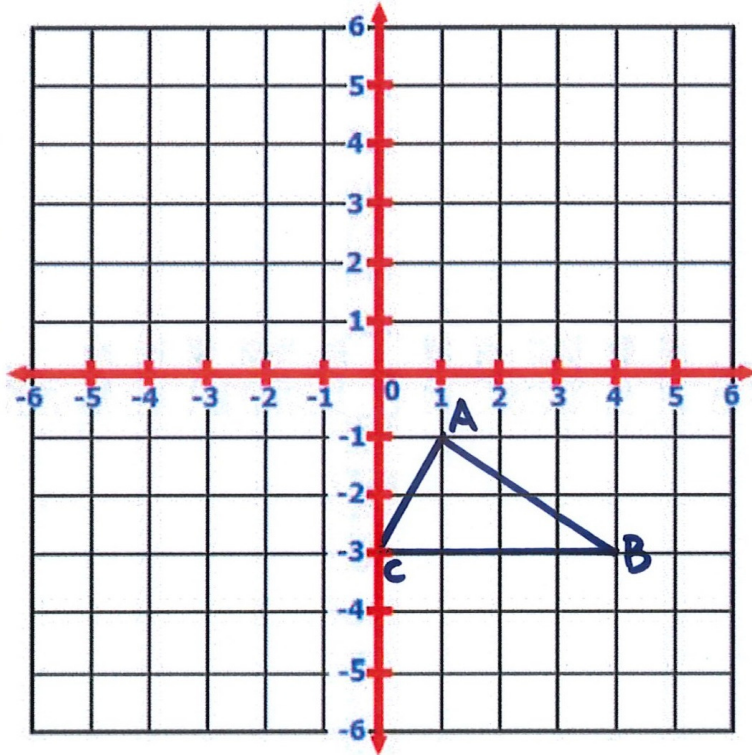
Label each image.

<http://www.learnersgrid.com>

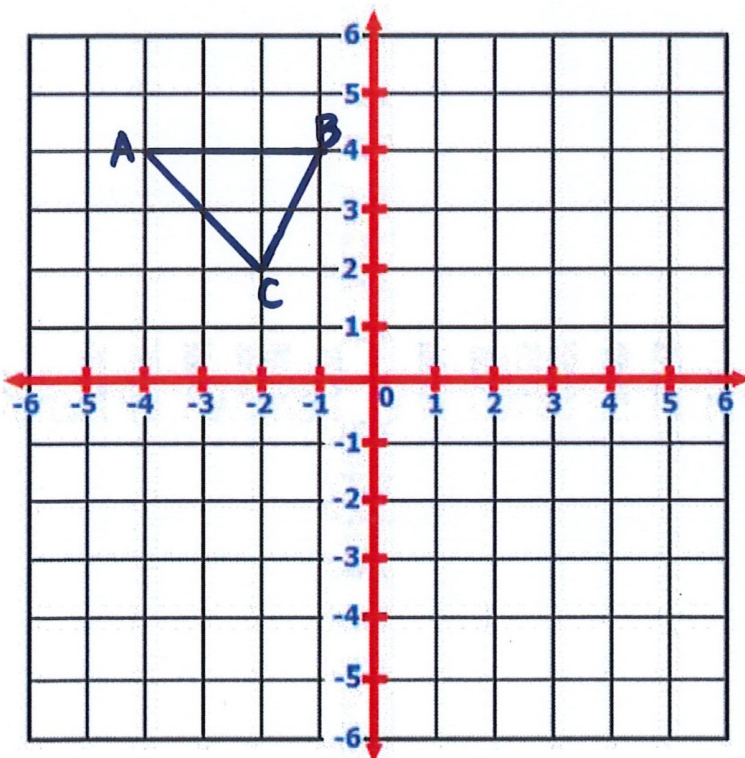
[1] Rotate the shape  $90^\circ$  anti-clockwise about  $(1,0)$ . Label the image.



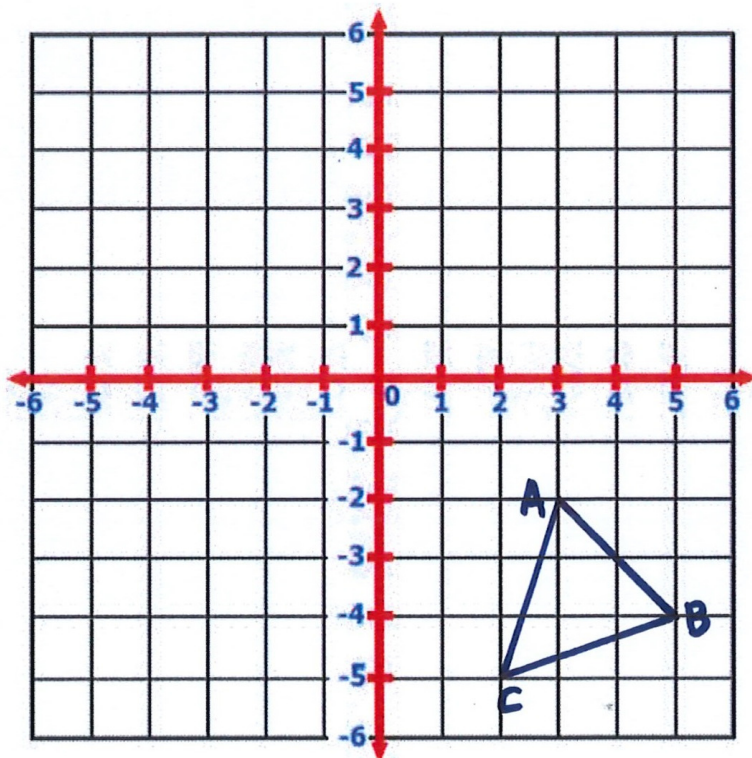
[2] Rotate the shape  $90^\circ$  counter-clockwise about  $(-1,0)$ . Label the image.



[3] Rotate the shape  $90^\circ$  counter-clockwise about  $(1, 3)$ . Label the image.



[4] Rotate the shape  $90^\circ$  anti-clockwise about  $(3,-2)$ . Label the image.



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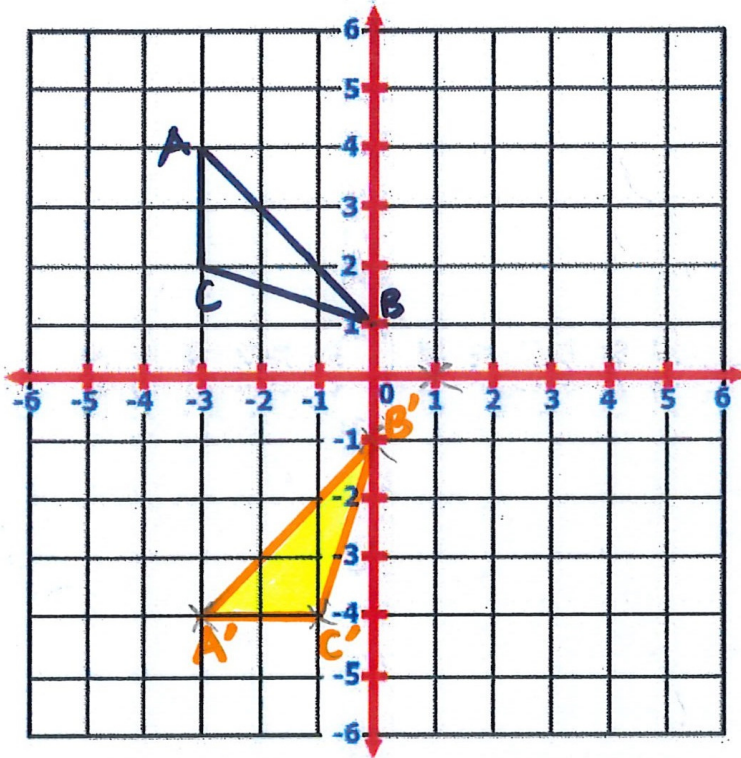
Rotate each shape as indicated

Label each image.

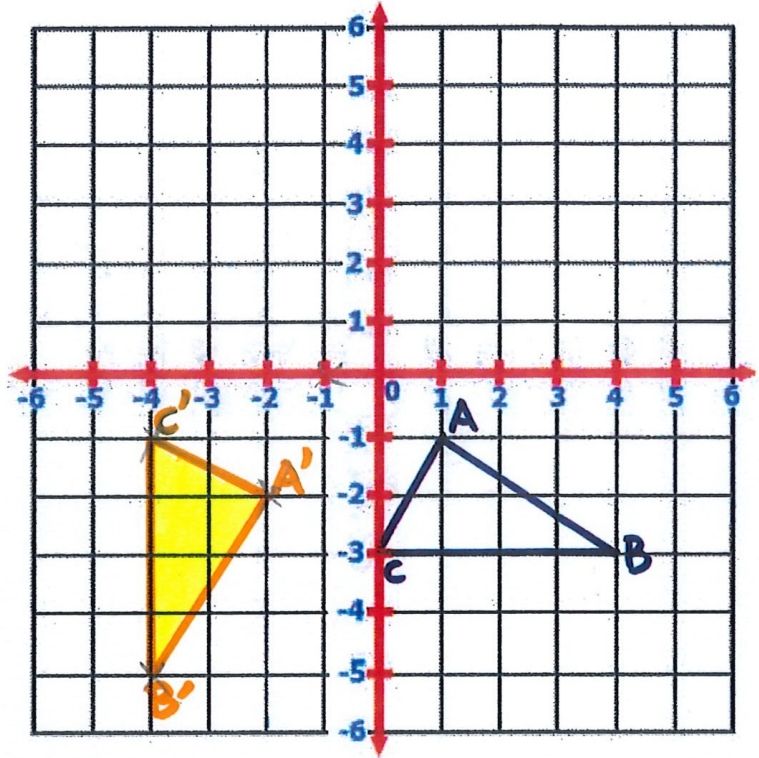
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## SOLUTIONS

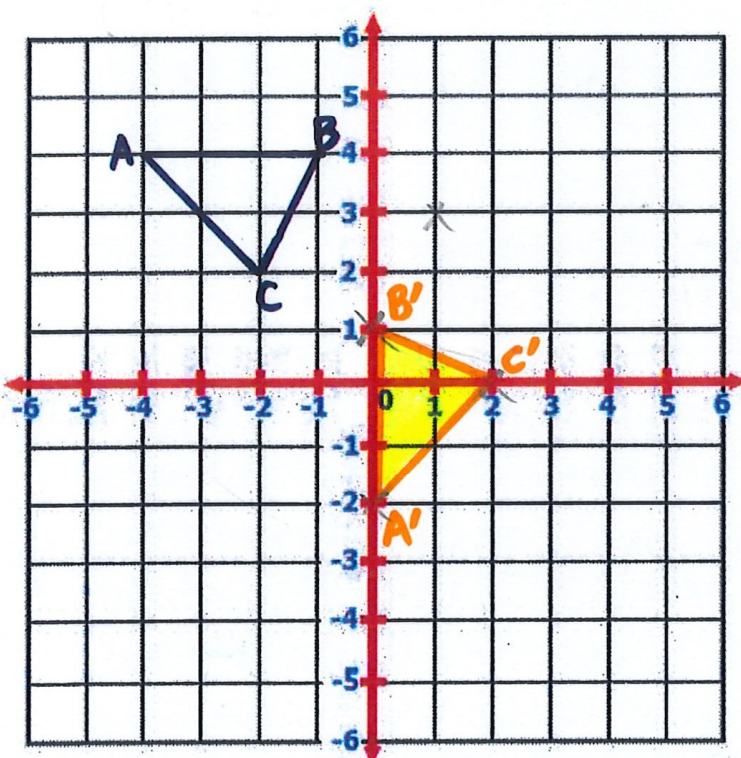
[1] Rotate the shape 90° anti-clockwise about (1,0). Label the image.



[2] Rotate the shape 90° counter-clockwise about (-1,0). Label the image.



[3] Rotate the shape 90° counter-clockwise about (1, 3). Label the image.



[4] Rotate the shape 90° anti-clockwise about (3,-2). Label the image.

