

# TRANSFORMATIONS: Rotation

Date:

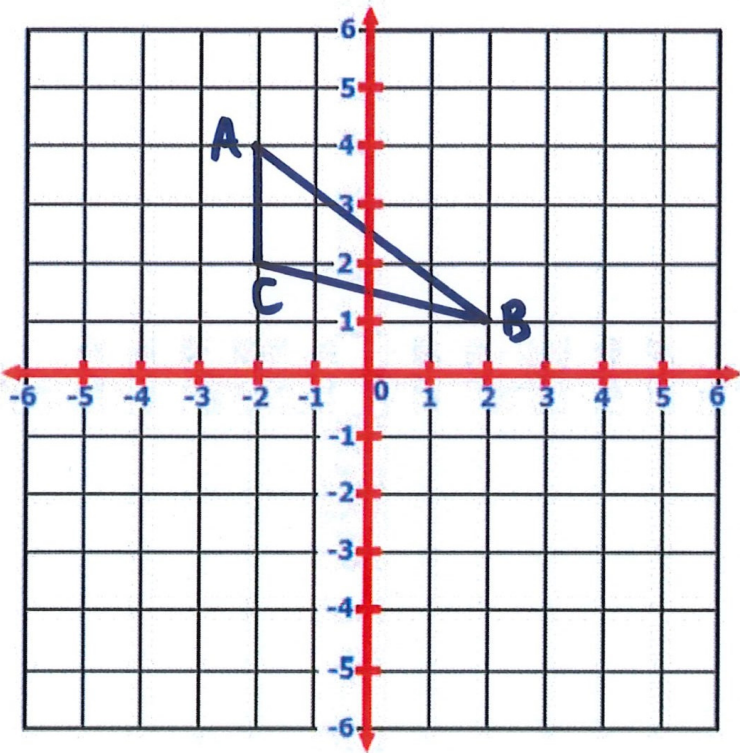
Name:

Rotate each shape as indicated

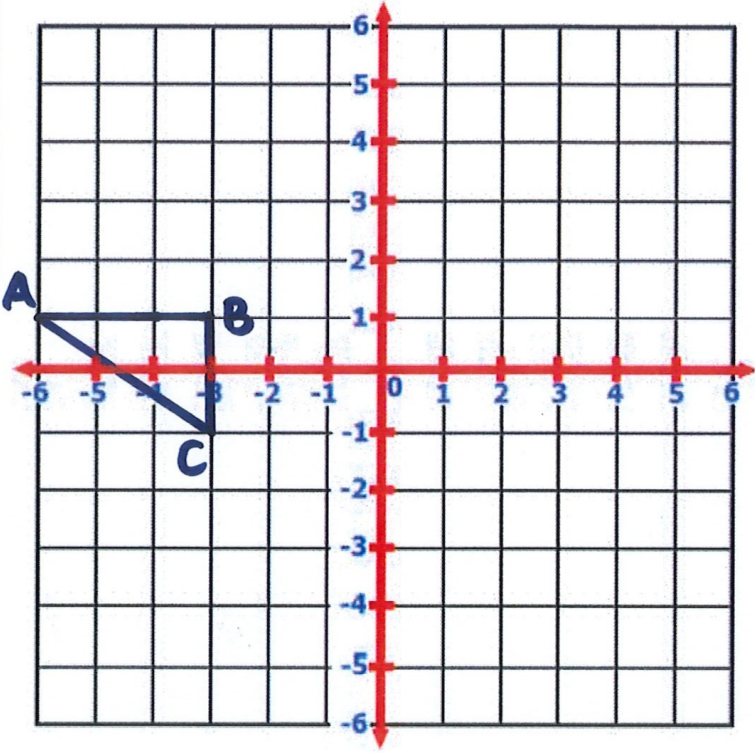
Label each image.

<http://www.learnersgrid.com>

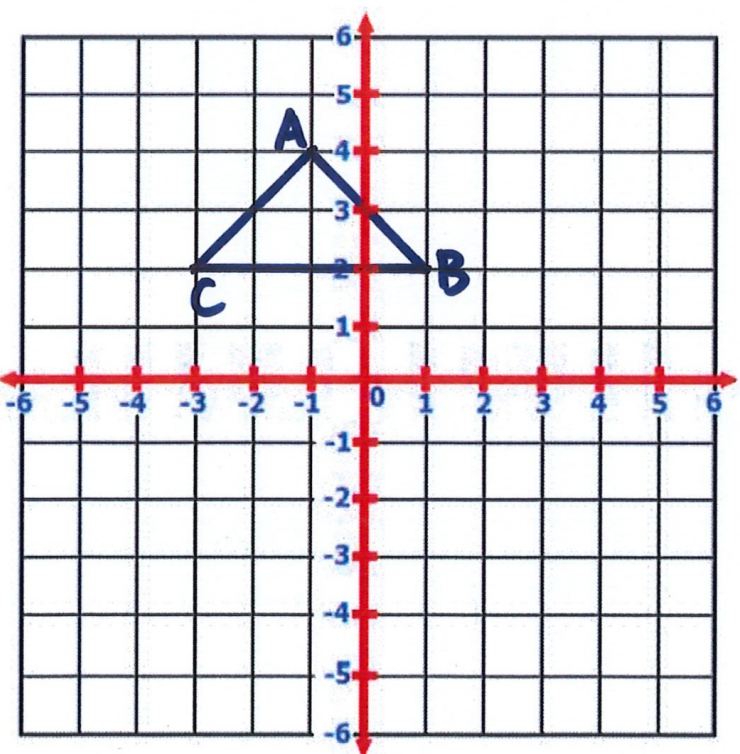
[1] Rotate the shape 180° about (1,1). Label the image.



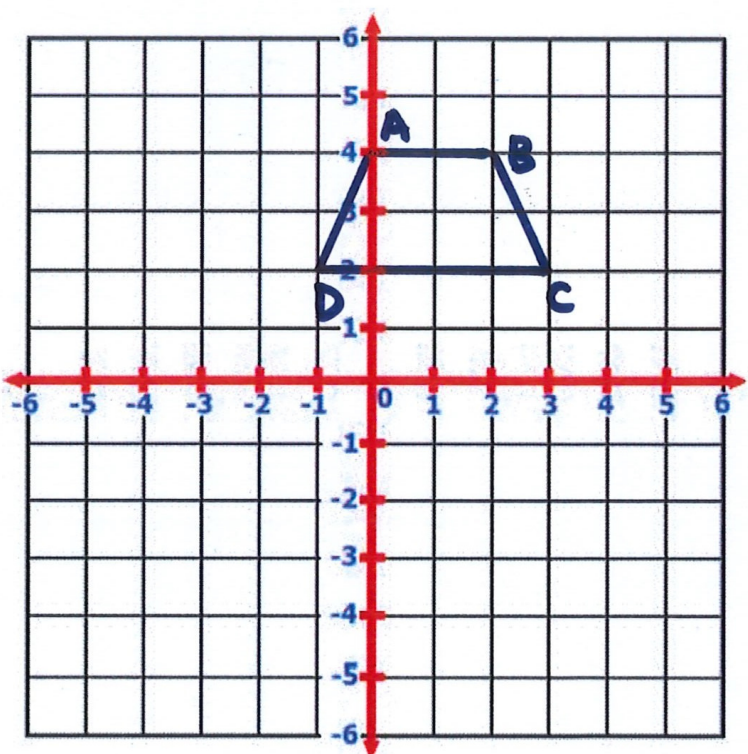
[2] Rotate the shape 180° about (-2,0). Label the image.



[3] Rotate the shape 180° about (-1,-1). Label the image.



[4] Rotate the shape 180° about (2, 1). Label the image.





# TRANSFORMATIONS: Rotation

Date:

Name:

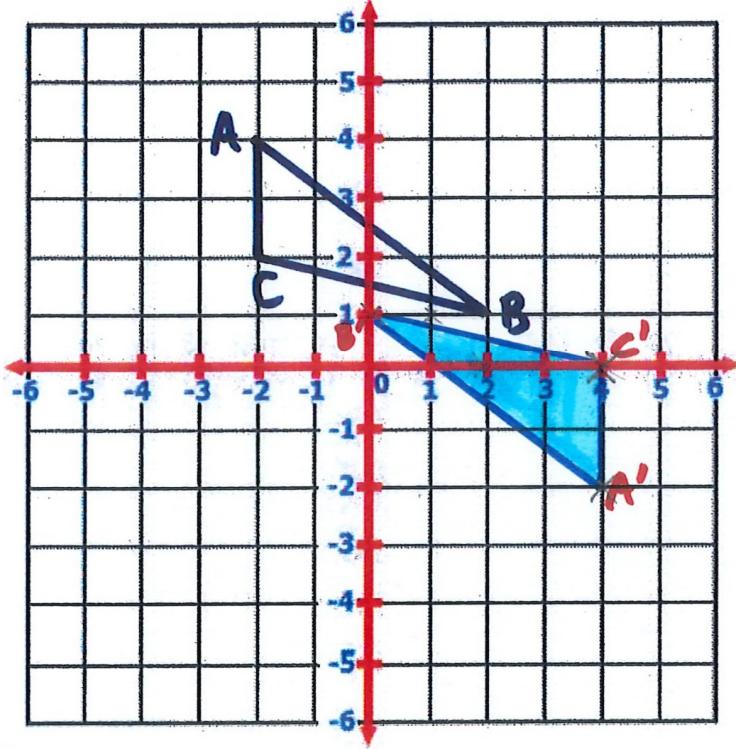
Rotate each shape as indicated.

Label each image.

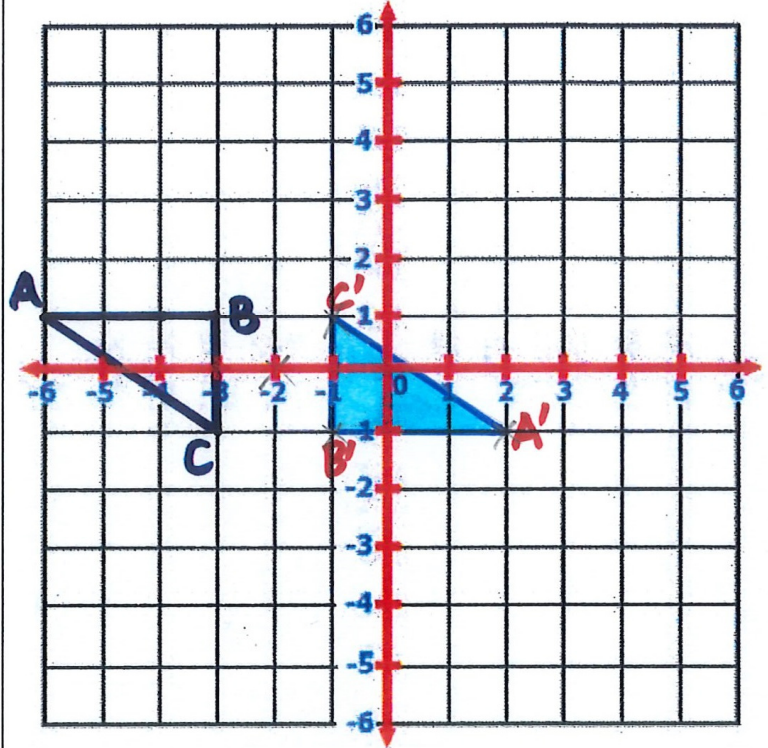
<http://www.learnersgrid.com>

## SOLUTIONS

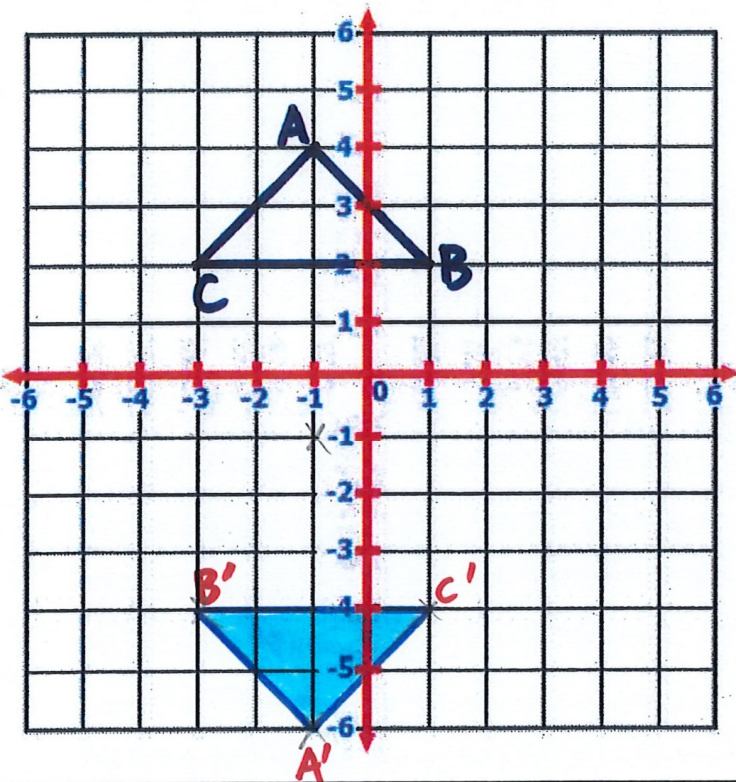
[1] Rotate the shape  $180^\circ$  about  $(1,1)$ . Label the image.



[2] Rotate the shape  $180^\circ$  about  $(-2,0)$ . Label the image.



[3] Rotate the shape  $180^\circ$  about  $(-1,-1)$ . Label the image.



[4] Rotate the shape  $180^\circ$  about  $(2, 1)$ . Label the image.

