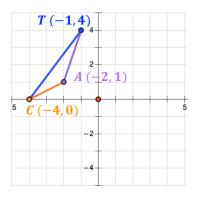
Find the coordinates after the triangle is rotated 90° clockwise about the origin.



Jaxon's "Ferris Wheel" Method

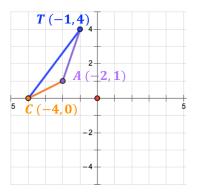
When I think about a rotation, I see a Ferris wheel, so I connect the figure to the origin.

Now I can rotate the figure 90° clockwise about the origin.

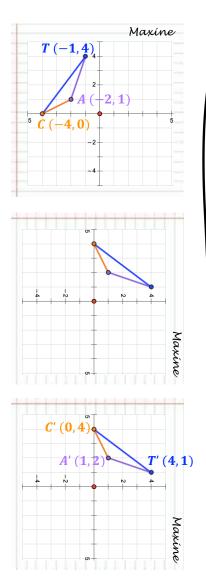
I label the coordinates of my rotated figure.



Find the coordinates after the triangle is rotated 90° clockwise about the origin.



Maxine's "Turn the Paper" Method

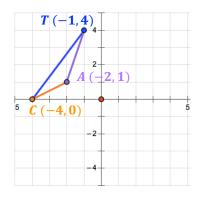


When I rotate the triangle 90° clockwise about the origin, the triangle will be in the first quadrant when I rotate it.

I put my pencil at the origin to hold my paper, then the rotate my paper 90° clockwise.

I relabel the coordinates as if they were in the first quadrant.

Find the coordinates after the triangle is rotated 90° clockwise about the origin.



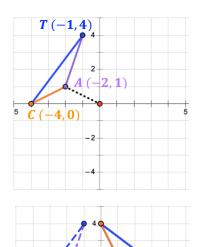
Jaxon's "Ferris Wheel" Method

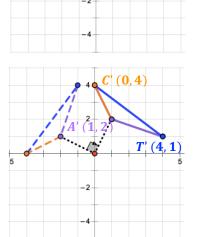
Maxine's "Turn the Paper" Method

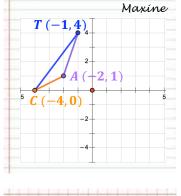
When I think about a rotation, I see a Ferris wheel, so I connect the figure to the origin.

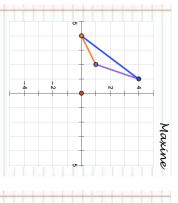
Now I can rotate the figure 90° clockwise about the origin.

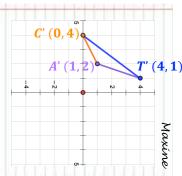
I label the coordinates of my rotated figure.











When I rotate the triangle 90° clockwise about the origin, the triangle will be in the first quadrant when I rotate it.

I put my pencil at the origin to hold my paper, then the rotate my paper 90° clockwise.

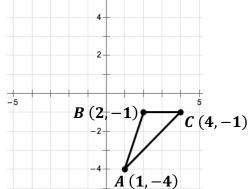
> I relabel the coordinates as if they were in the first quadrant.



1) What are the similarities and differences between Jaxon and Maxine's methods?

Similarities	Differences	

2) Using Jaxon or Maxine's method, rotate ΔABC 180° counterclockwise. Draw and label the coordinates of your rotated figure.



3) a) For each of the rotations listed below, sketch and label the rotated figure.

90° clockwise	270° counterclockwise	180° clockwise	180° counterclockwise
A B 2 4	A B A B A A B A A A A A A A A A A A A A	A B	A B 2 4

- b) Which of the rotations above land in the same place?
- 4) a) Given point (2, -3), what are the coordinates if it is rotated 90° clockwise?
 - b) Given point (J, K), what are the coordinates if it is rotated 90° clockwise?

