Find the coordinates after the triangle is rotated $\mathbf{9 0}^{\circ}$ clockwise about the origin.



Find the coordinates after the triangle is rotated $90^{\circ}$ clockwise about the origin.



## T.3: Rotation

Find the coordinates after the triangle is rotated $90^{\circ}$ clockwise about the origin.


Jaxon's "Ferris Wheel" Method
Maxine's "Turn the Paper" Method


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

| Similarities | Differences |
| :--- | :--- |
|  |  |
|  |  |

2) Using Jaxon or Maxine's method, rotate $\triangle A B C 180^{\circ}$ 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.

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 $90^{\circ}$ clockwise?
b) Given point $(J, K)$, what are the coordinates if it is rotated $90^{\circ}$ clockwise?

