

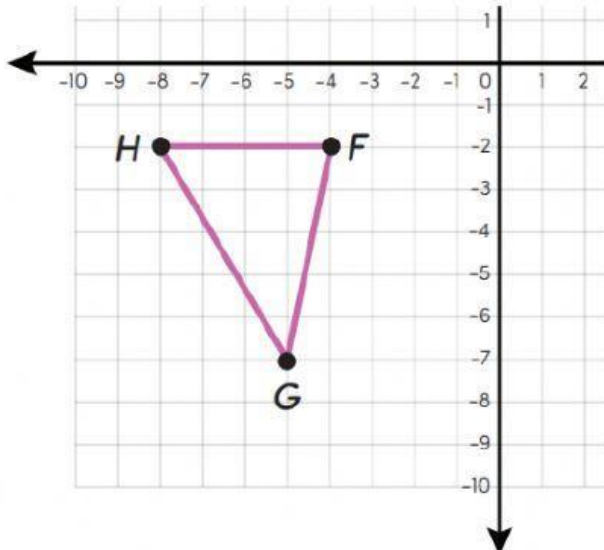
FORMATIVE ACTIVITY

ROTATION

Name: _____

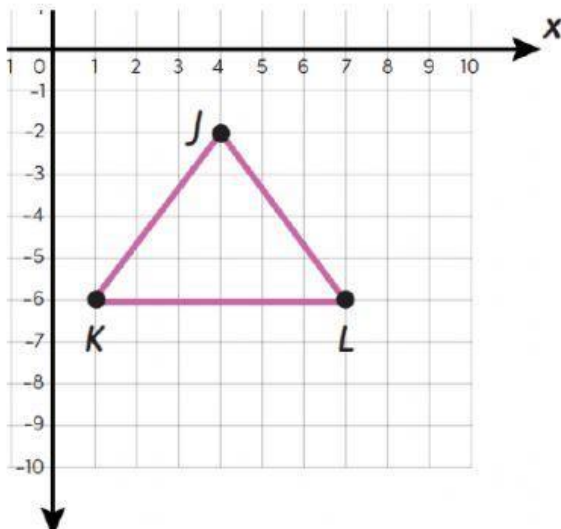
- I. Look at the picture, and find the coordinate of your preimage and image.

the image of triangle FGH after a **rotation 90° counterclockwise** around the origin.



<u>PREIMAGE</u>	<u>IMAGE</u>
H (____, ____)	H' (____, ____)
F (____, ____)	F' (____, ____)
G (____, ____)	G' (____, ____)

the image of JKL after a **rotation 270° counterclockwise** around the origin.



<u>PREIMAGE</u>	<u>IMAGE</u>
K (____, ____)	K' (____, ____)
J (____, ____)	J' (____, ____)
L (____, ____)	L' (____, ____)

II. Answer the following questions

1. The point $B (-4, 3)$ is rotated 90° counterclockwise around the origin. What are the coordinates of the resulting point, B' ? $B' (\quad, \quad)$
2. The point $D (-6, -6)$ is rotated 270° counterclockwise around the origin. What are the coordinates of the resulting point, D' ? $D' (\quad, \quad)$
3. The point $M (3, 4)$ is rotated 180° clockwise around the origin. What are the coordinates of the resulting point, M' ? $M' (\quad, \quad)$
4. The point $Q (5, 4)$ is rotated 270° counterclockwise around the origin. What are the coordinates of the resulting point, Q' ? $Q' (\quad, \quad)$
5. rotation 180° about the origin $Z (-1, -5)$, $K (-1, 0)$, $C (1, 1)$, $N (3, -2)$
 $Z' (\quad, \quad)$; $K' (\quad, \quad)$; $C' (\quad, \quad)$; $N' (\quad, \quad)$

III. Use your copybook, and draw the image after a 90° counterclockwise rotation. SHOW YOUR WORK TO THE TEACHER.

1) 90° counterclockwise rotation

