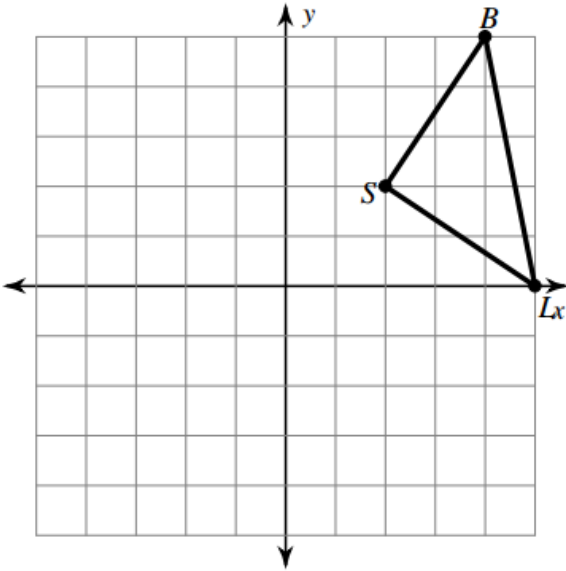


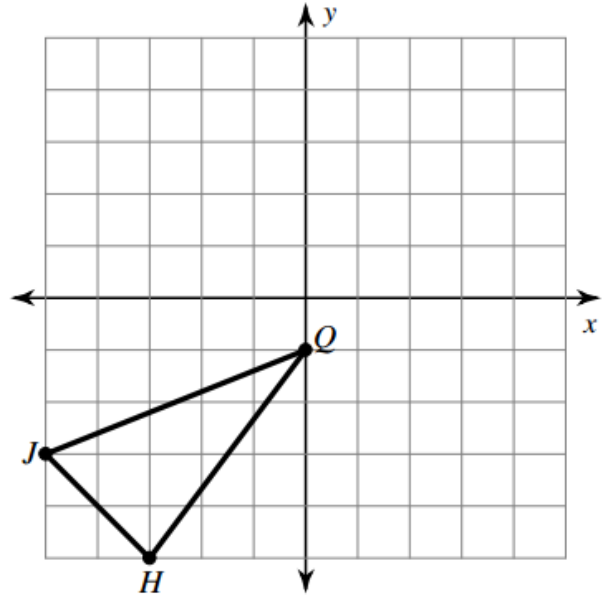
## Rotations (Origin)

For each question plot the given points and connect them to make the desired shape. Label the vertices of the original shape. Graph and label the transformation of the original shape according to the given rule.

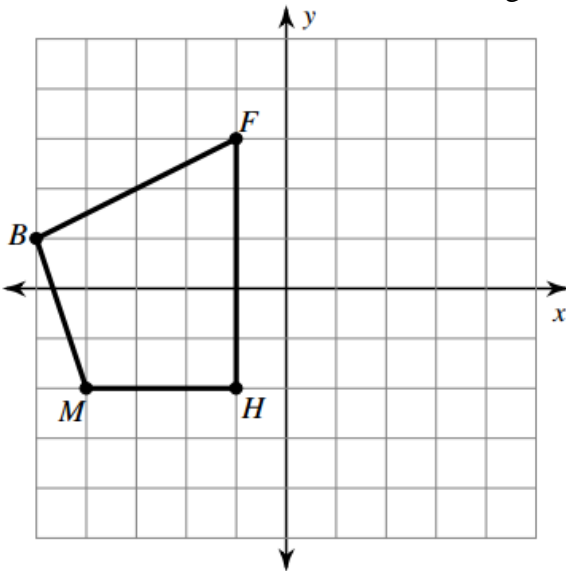
1. Rotate  $90^\circ$  counter clockwise around origin.



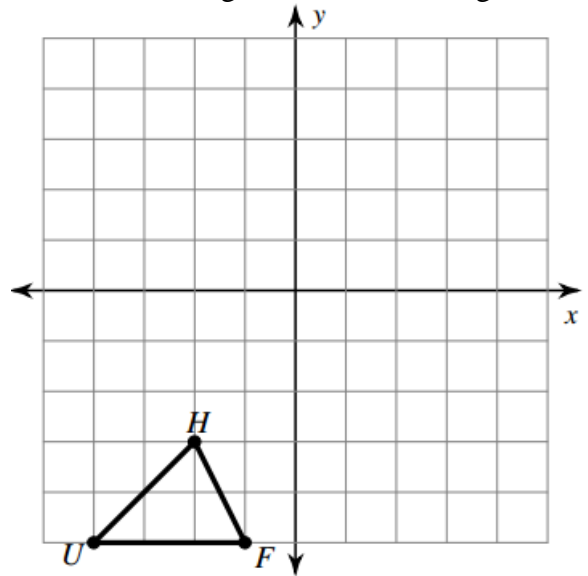
3. Rotate 180 degrees around the origin.



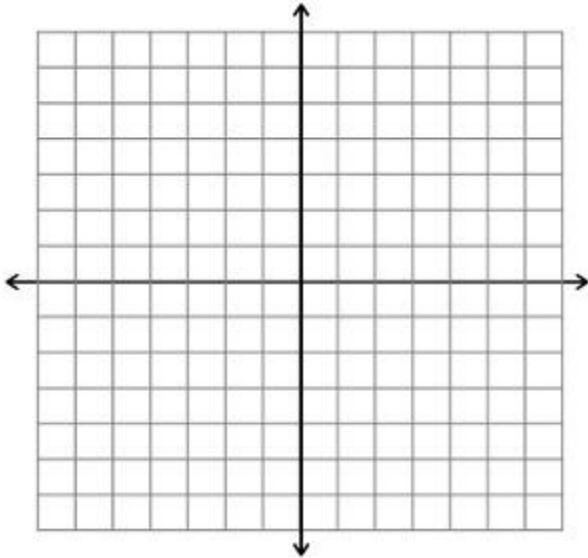
2. Rotate  $90^\circ$  clockwise around the origin.



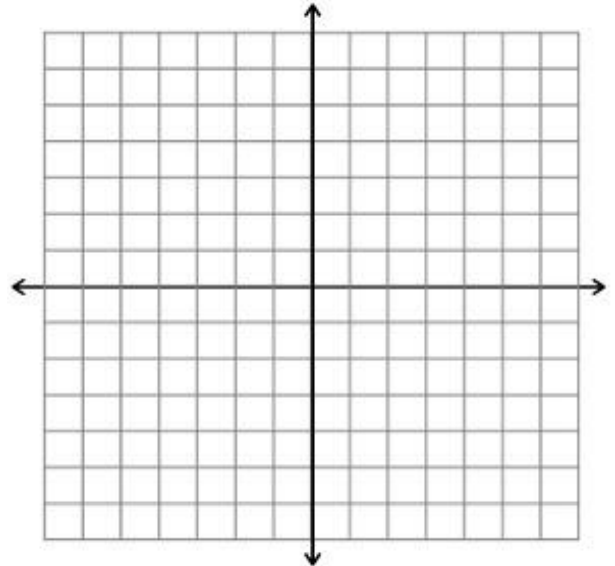
4. Rotate 180 degrees around the origin.



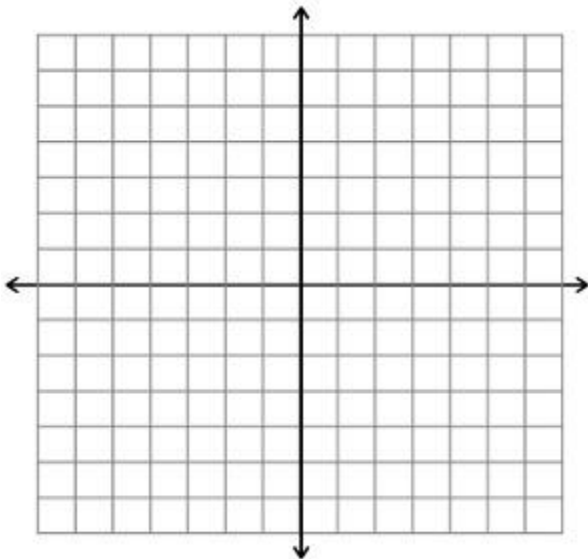
5. Triangle  $A(2,0), B(1,3), C(5,0)$   
Rotation  $90^\circ$  clockwise around the origin.



6. Quadrilateral  $A(1,-2), B(0,2), C(3,2), D(3,-3)$   
Rotation 180 degrees around the origin.



7. Trapezoid  $A(-4,0), B(-5,-1), C(-5,-2), D(-4,-3)$   
Rotation  $180^\circ$  around the origin.



8. Quadrilateral  $A(-2,0), B(-5,0), C(-5,4), D(-1,3)$   
Rotation 90 degrees clockwise around the origin.

