

PRACTICE Quiz 9.3 Rotations

Write a rule to describe each transformation.

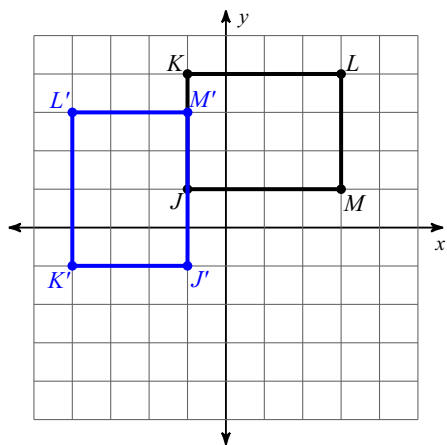
1) $E(0, 1), F(0, 4), G(3, 2)$

to
 $E'(1, 0), F'(4, 0), G'(2, -3)$

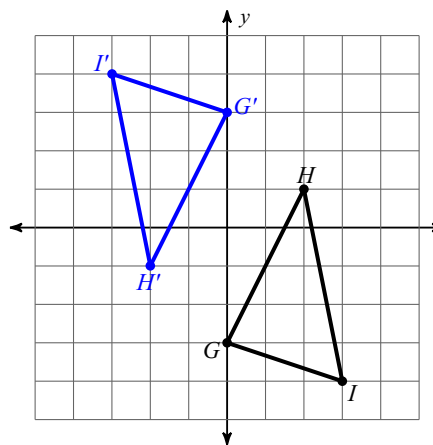
2) $J(-5, -3), I(-5, -2), H(-2, -2), G(-4, -3)$

to
 $J'(5, 3), I'(5, 2), H'(2, 2), G'(4, 3)$

3)

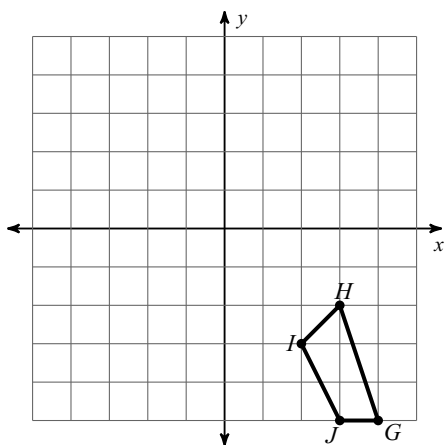


4)

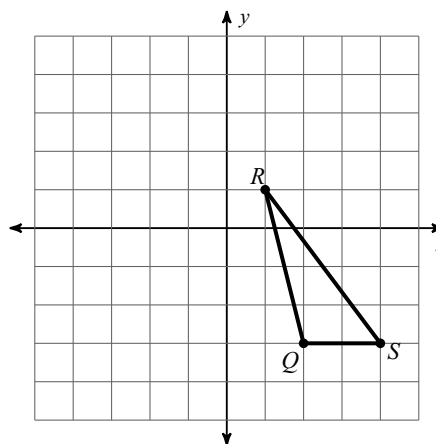


Graph the image of the figure using the transformation given.

5) rotation 90° clockwise about the origin



6) rotation 90° counterclockwise about the origin



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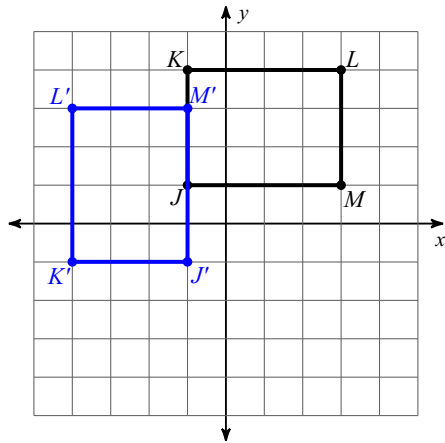
rotation 90° clockwise about the origin

2) $J(-5, -3), I(-5, -2), H(-2, -2), G(-4, -3)$

to
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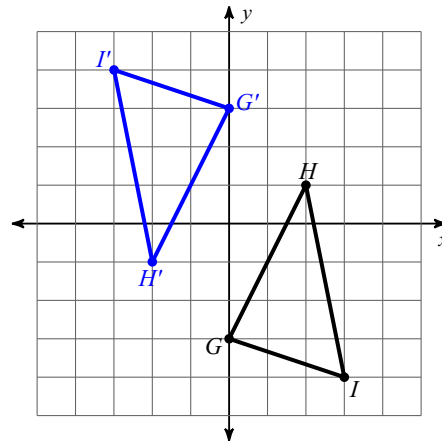
rotation 180° about the origin

3)



rotation 90° counterclockwise about the origin

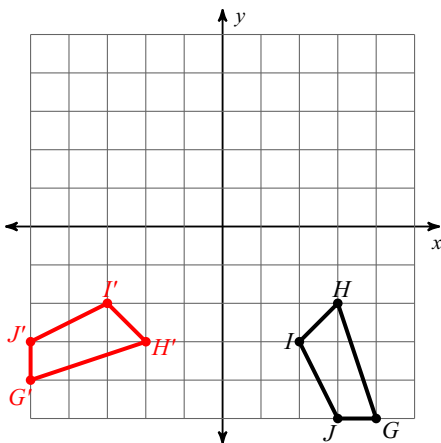
4)



rotation 180° about the origin

Graph the image of the figure using the transformation given.

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6) rotation 90° counterclockwise about the origin

