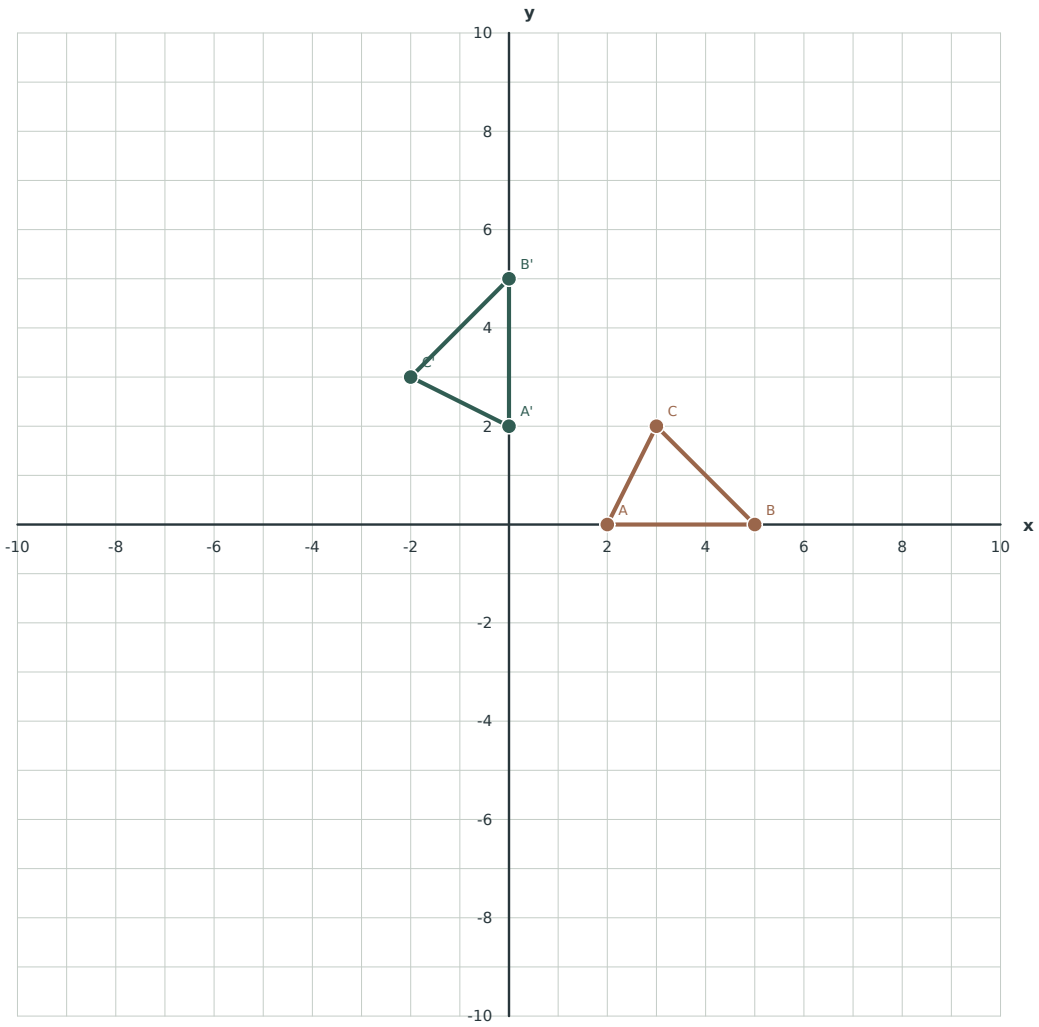
Quarter turn left

Vertices in order: A(2, 0); B(5, 0); C(3, 2).

Rotate 90 degrees counterclockwise about (0, 0). Draw and label the image. Check the coordinates of every vertex.

ANSWER / worked construction



Brown: original / Green: transformed image (answer only)

Rotate 90 degrees counterclockwise about (0, 0).

Image vertices: A(0, 2); B(0, 5); C(-2, 3).

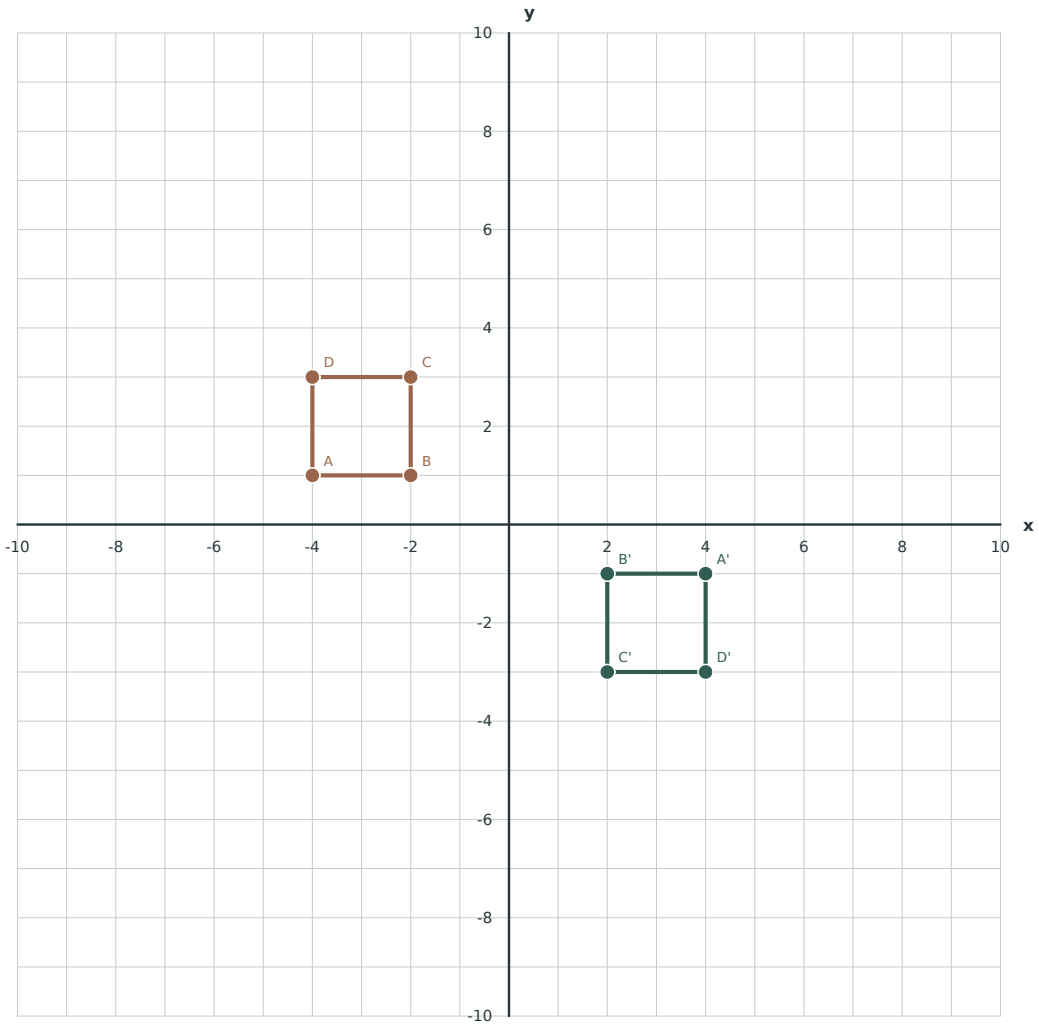
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Half turn square

Vertices in order: A(-4, 1); B(-2, 1); C(-2, 3); D(-4, 3).

Rotate 180 degrees counterclockwise about (0, 0). Draw and label the image. Check the coordinates of every vertex.

ANSWER / worked construction



Brown: original / Green: transformed image (answer only)

Rotate 180 degrees counterclockwise about (0, 0).

Image vertices: A(4, -1); B(2, -1); C(2, -3); D(4, -3).

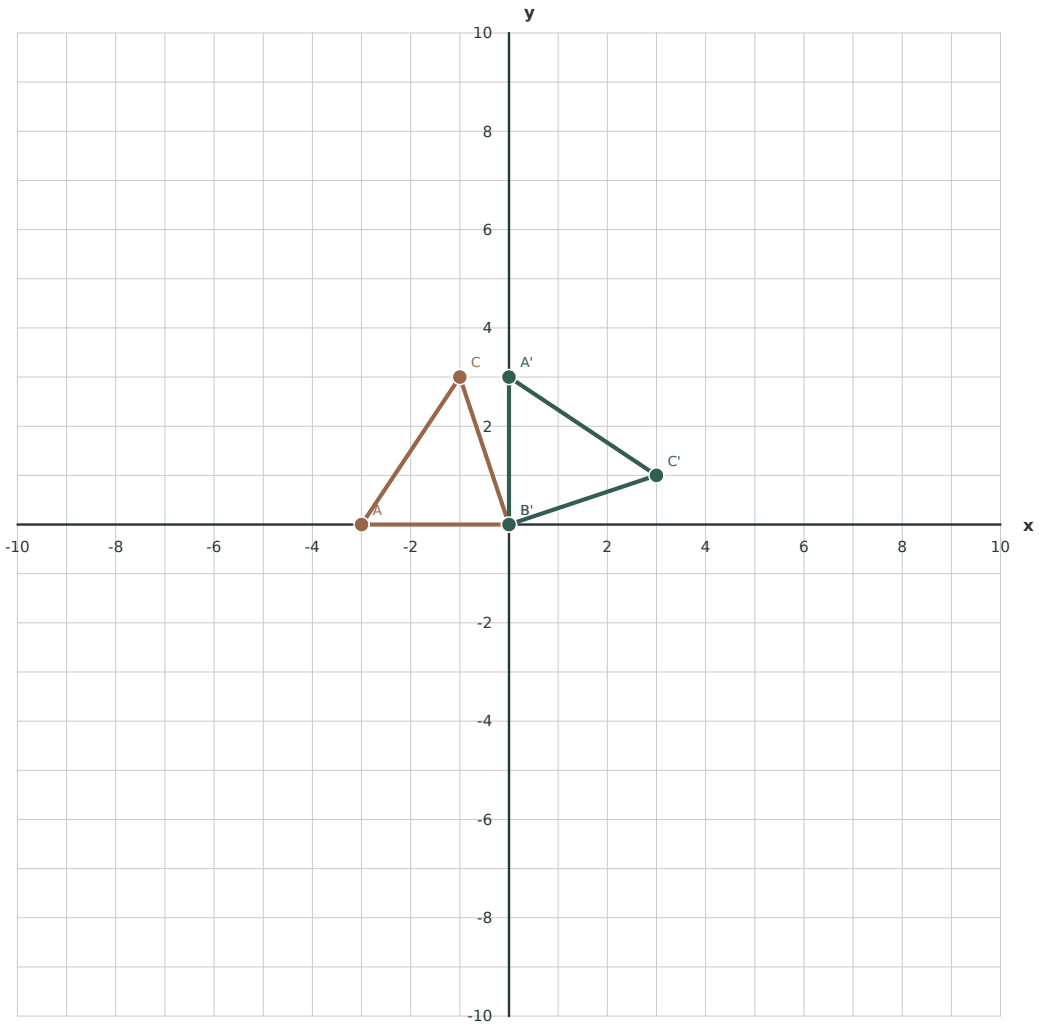
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Quarter turn right

Vertices in order: A(-3, 0); B(0, 0); C(-1, 3).

Rotate 270 degrees counterclockwise about (0, 0). Draw and label the image. Check the coordinates of every vertex.

ANSWER / worked construction



Brown: original / Green: transformed image (answer only)

Rotate 270 degrees counterclockwise about (0, 0).

Image vertices: A(0, 3); B(0, 0); C(3, 1).

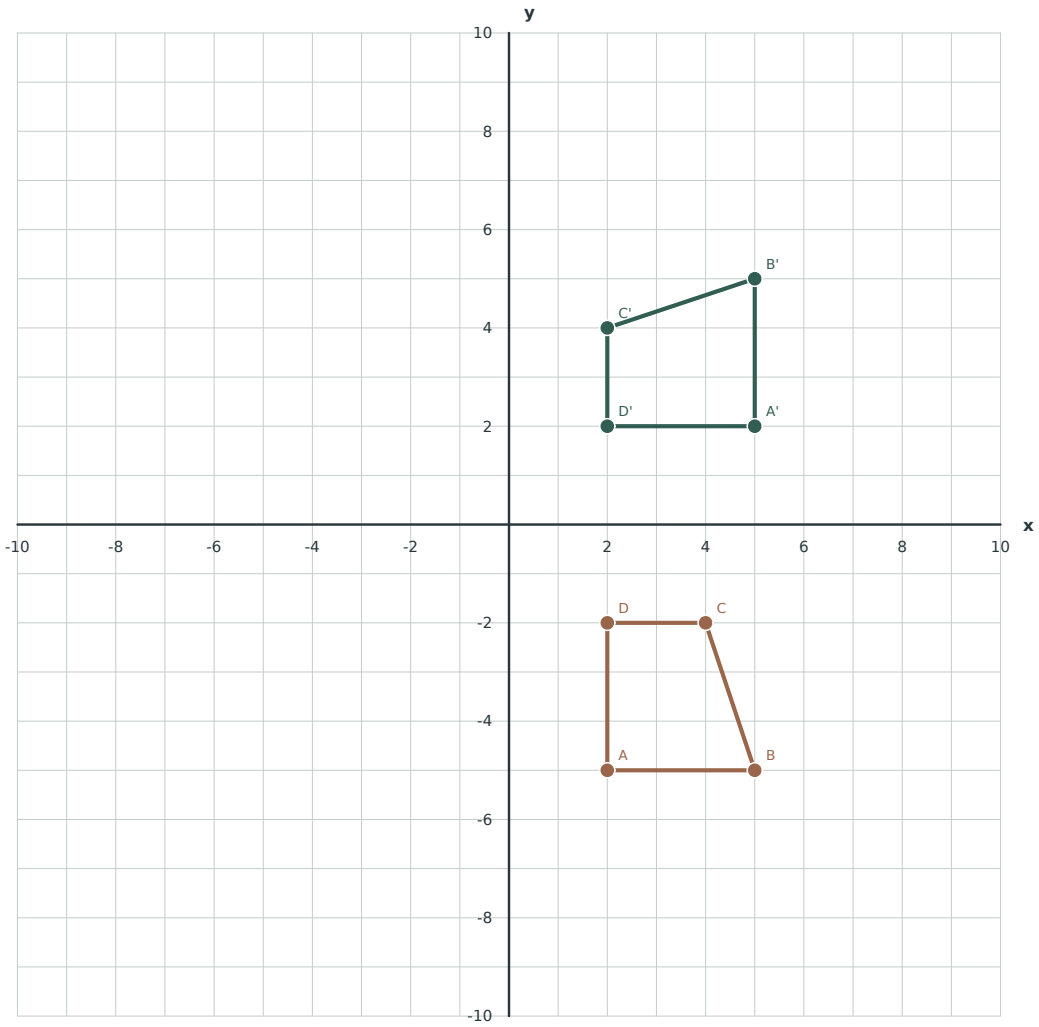
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Rotate a quadrilateral

Vertices in order: A(2, -5); B(5, -5); C(4, -2); D(2, -2).

Rotate 90 degrees counterclockwise about (0, 0). Draw and label the image. Check the coordinates of every vertex.

ANSWER / worked construction



Brown: original / Green: transformed image (answer only)

Rotate 90 degrees counterclockwise about (0, 0).

Image vertices: A(5, 2); B(5, 5); C(2, 4); D(2, 2).

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