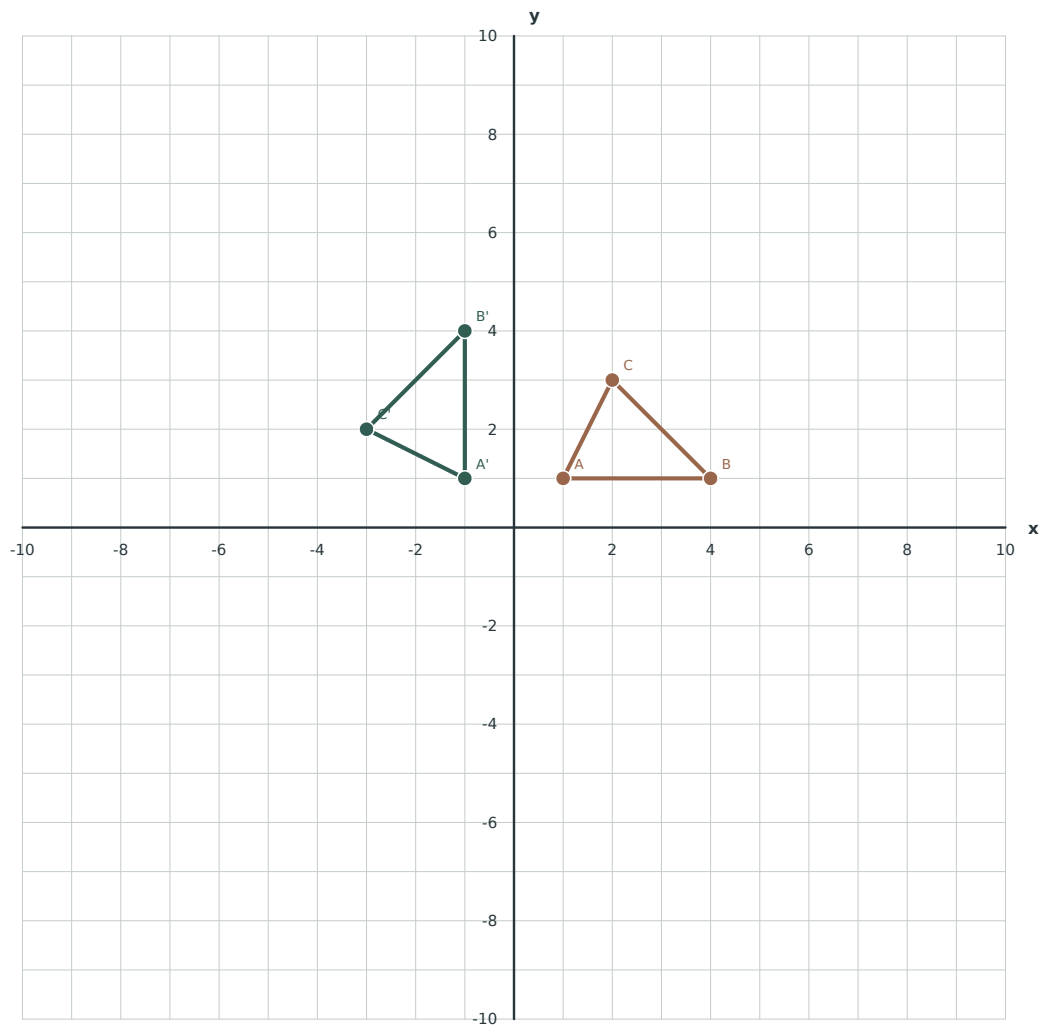


Quarter turn left

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

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).

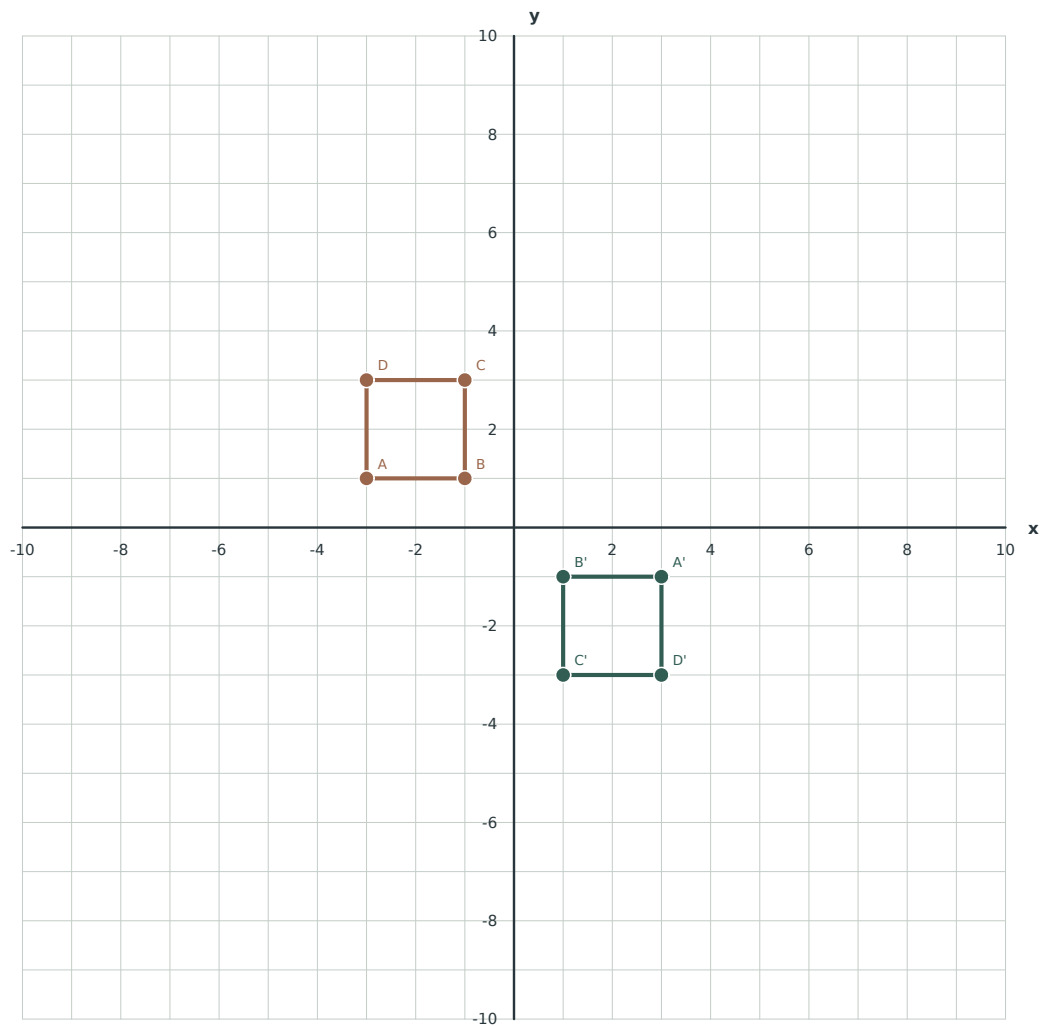
Image vertices: A(-1, 1); B(-1, 4); C(-3, 2).

Half turn square

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

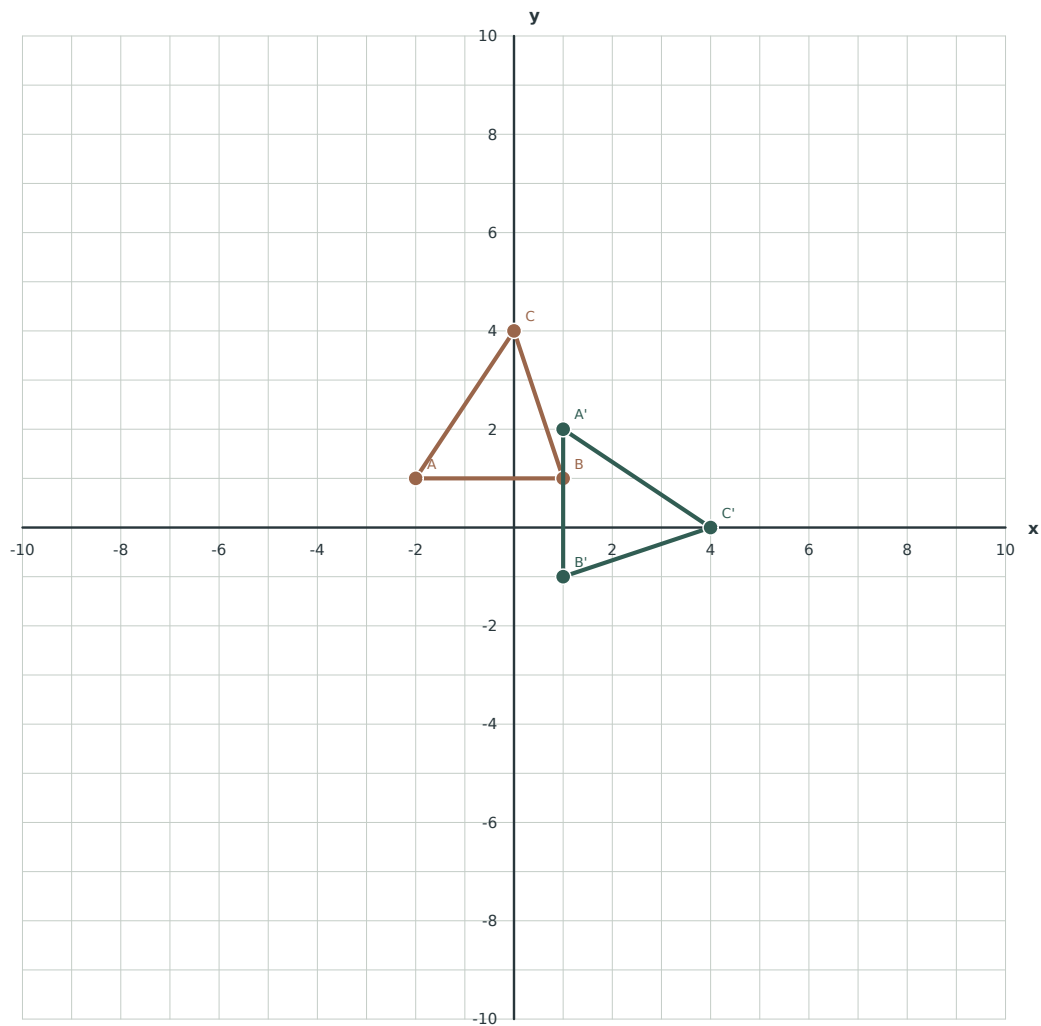
Image vertices: A(3, -1); B(1, -1); C(1, -3); D(3, -3).

Quarter turn right

Vertices in order: A(-2, 1); B(1, 1); C(0, 4).

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).

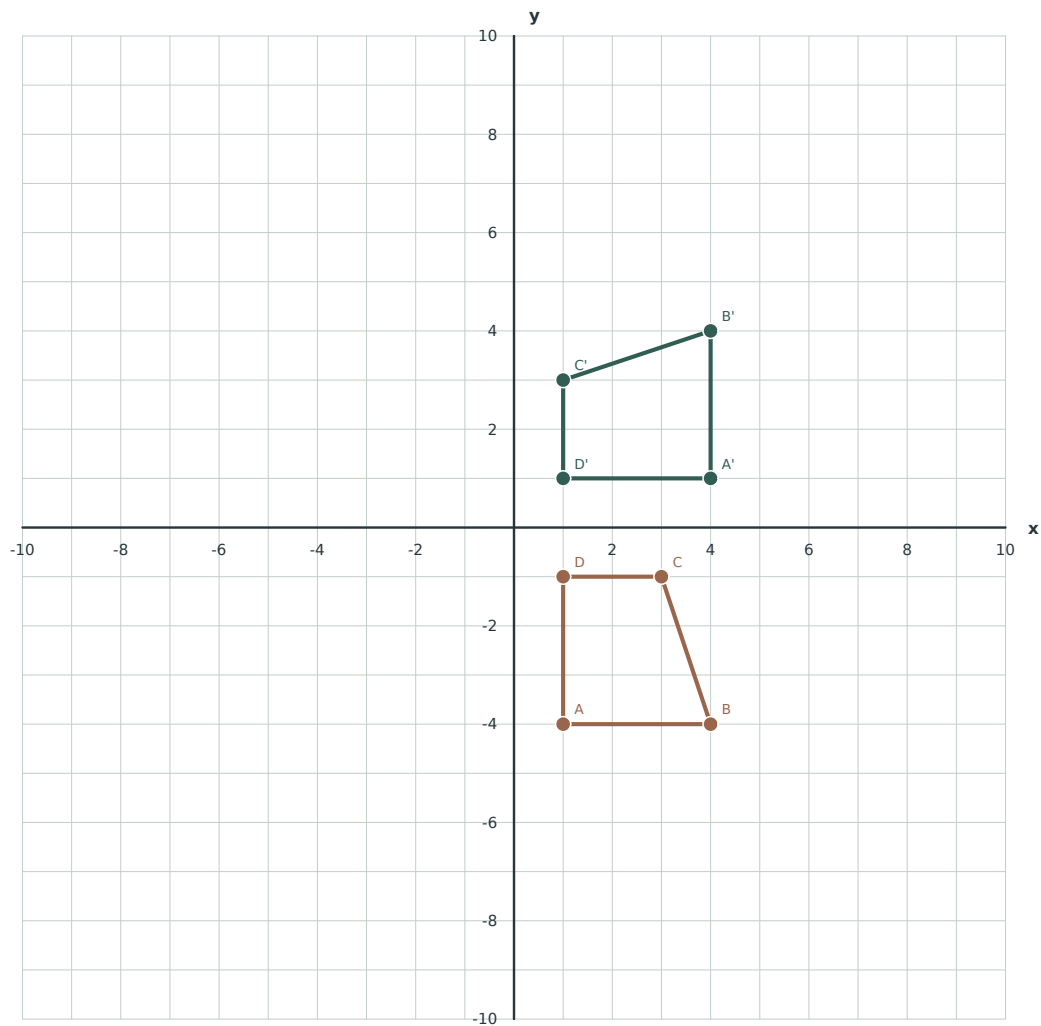
Image vertices: A(1, 2); B(-1, -1); C(4, 0).

Rotate a quadrilateral

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

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(4, 1); B(4, 4); C(1, 3); D(1, 1).