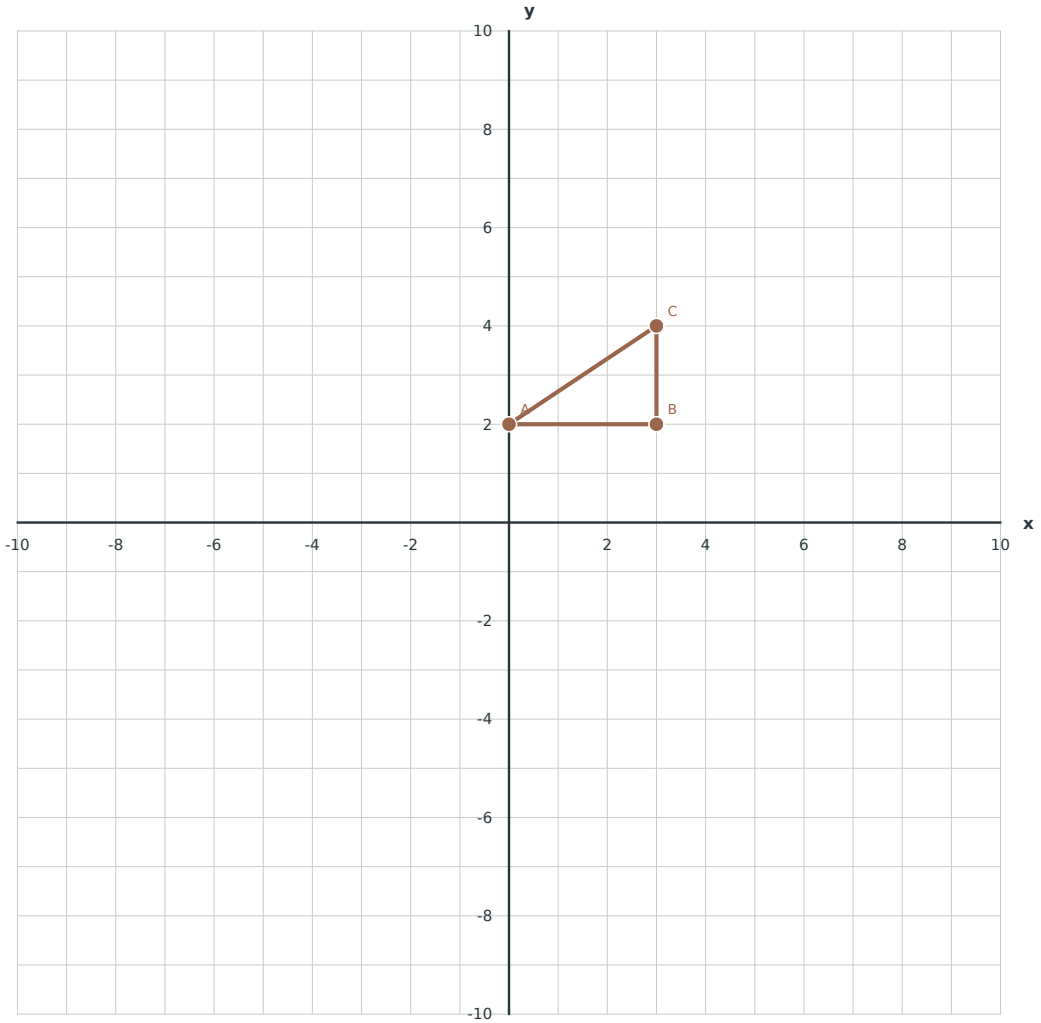
Translate a triangle

Vertices in order: A(0, 2); B(3, 2); C(3, 4).

Translate by (2, 2). Draw and label the image. Check the coordinates of every vertex.

YOUR WORK



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

Work / explanation:

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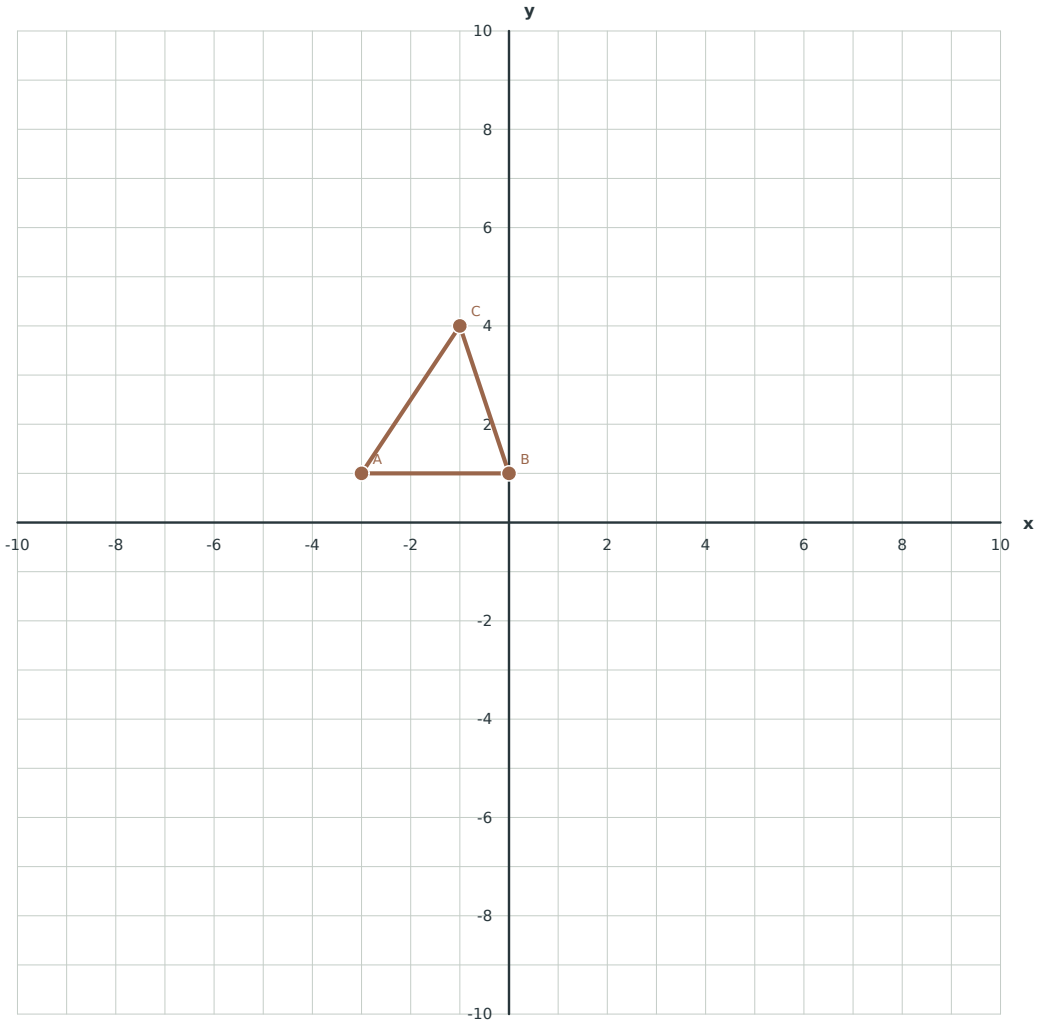
Rotate a triangle

Vertices in order: A(-3, 1); B(0, 1); C(-1, 4).

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

YOUR WORK



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

Work / explanation:

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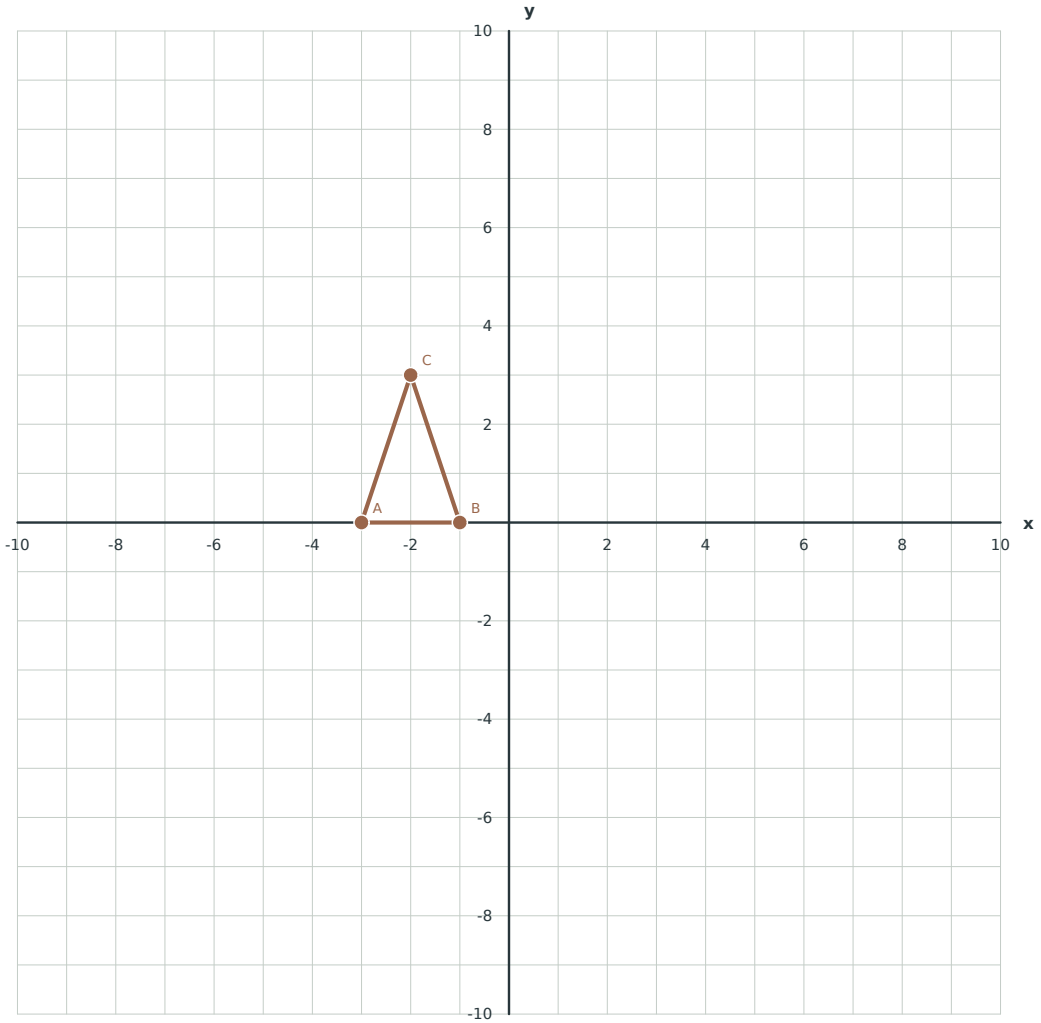
Reflect across y=x

Vertices in order: A(-3, 0); B(-1, 0); C(-2, 3).

Reflect across y = x. Draw and label the image. Check the coordinates of every vertex.

YOUR WORK



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

Work / explanation:

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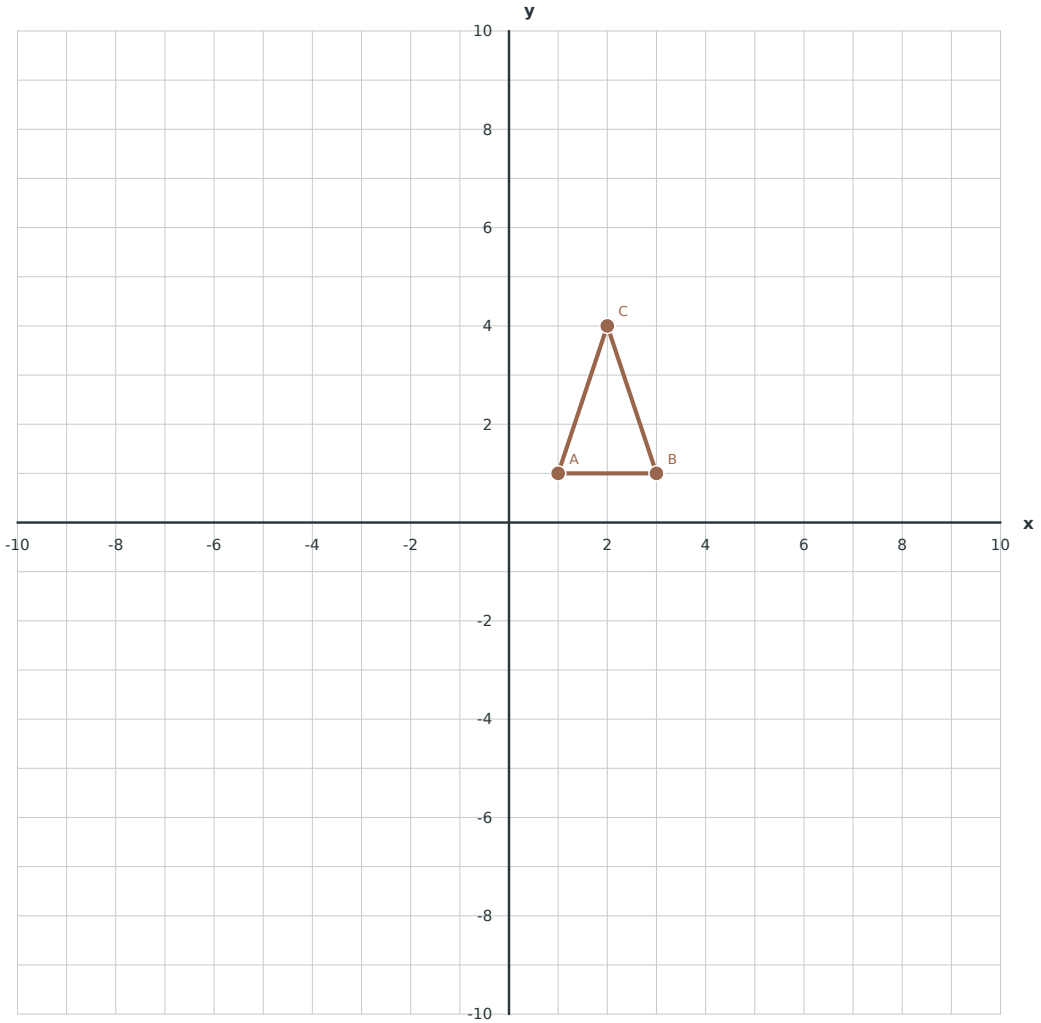
Dilate a triangle

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

Dilate about (0, 0) by scale factor 2. Draw and label the image. State the length and area ratios.

YOUR WORK



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

Work / explanation:

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