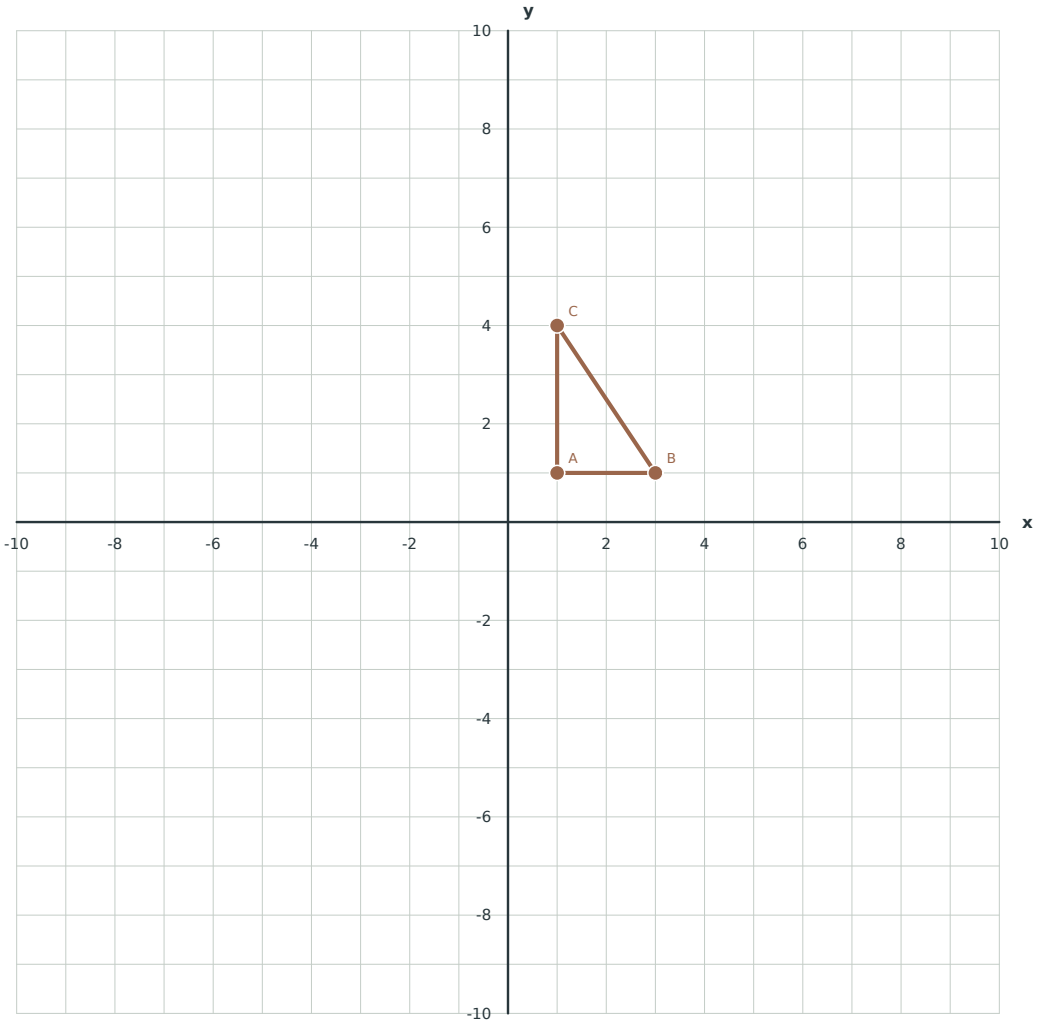
Double the triangle

Vertices in order: A(1, 1); B(3, 1); C(1, 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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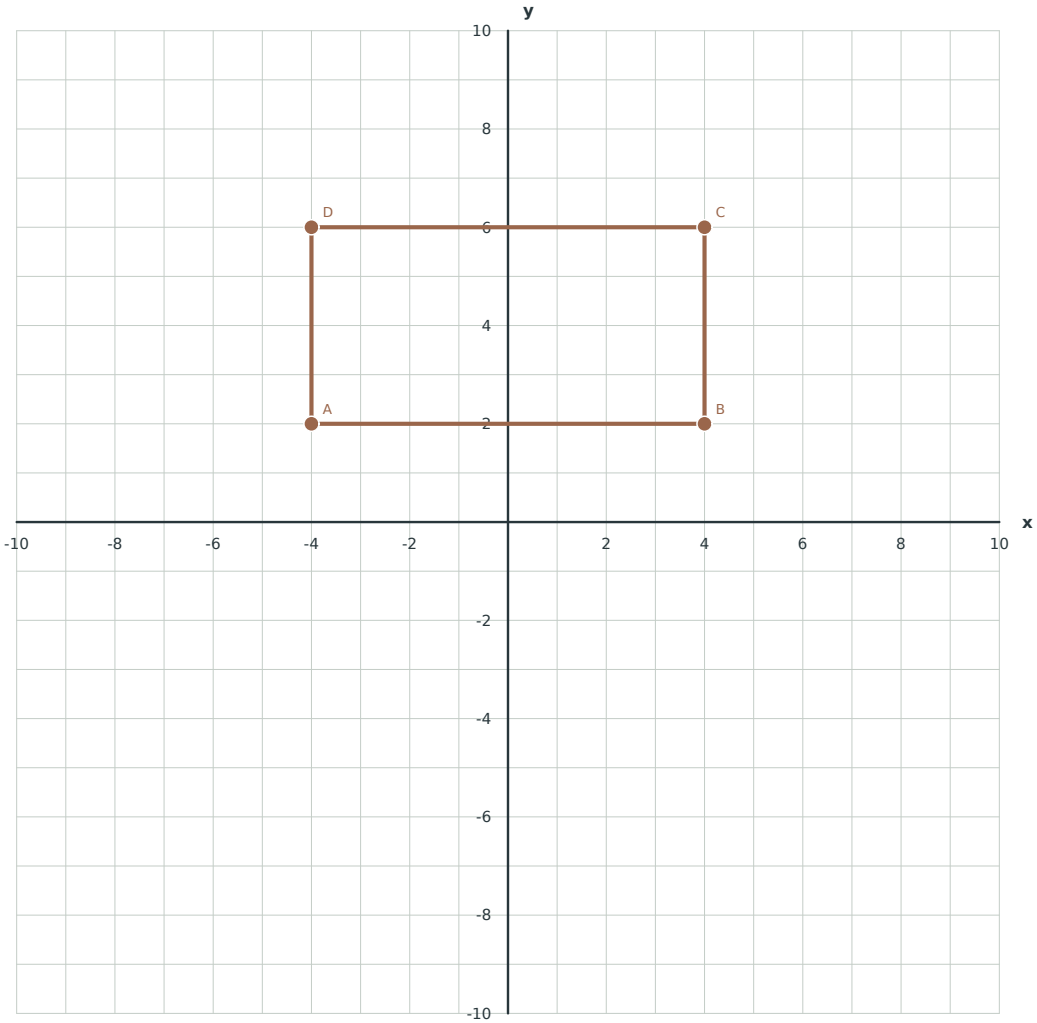
Half-size rectangle

Vertices in order: A(-4, 2); B(4, 2); C(4, 6); D(-4, 6).

Dilate about (0, 0) by scale factor 1/2. 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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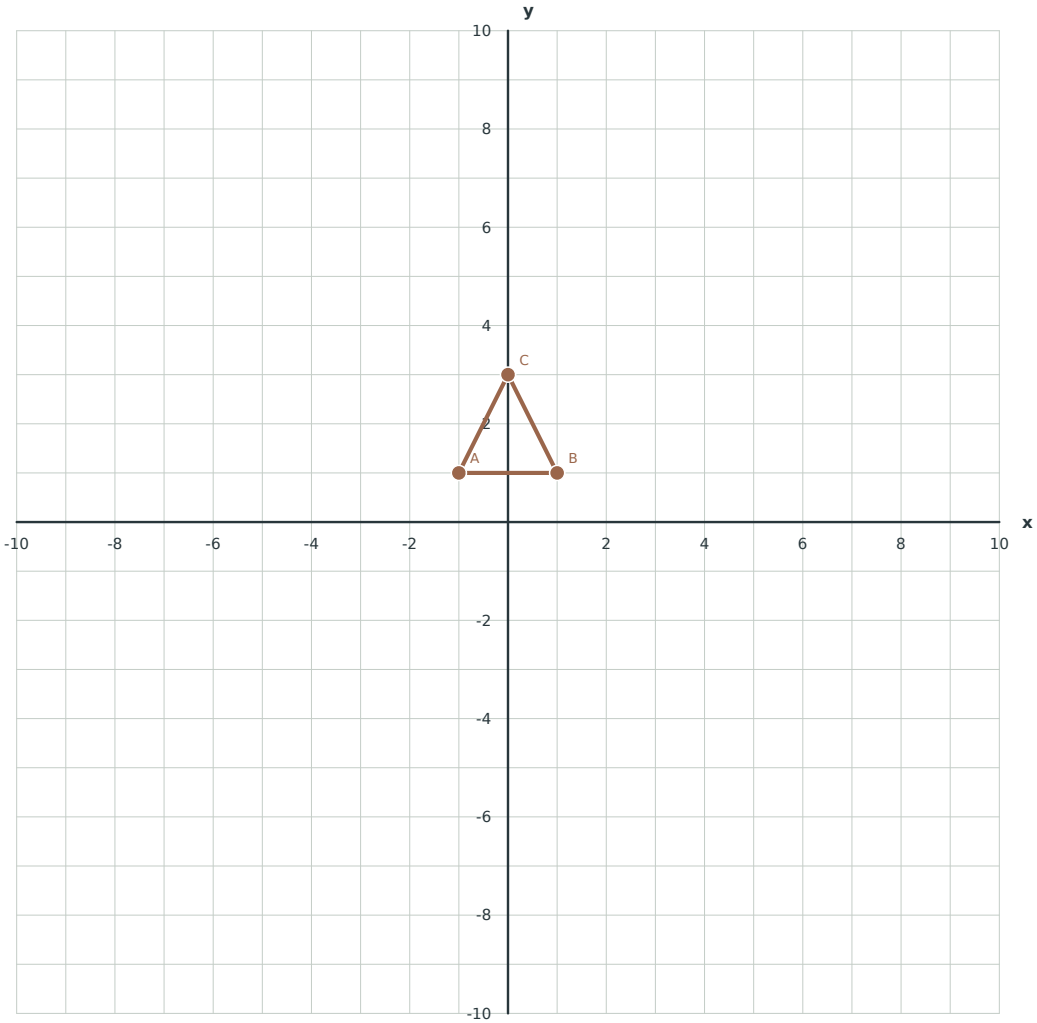
Triple a triangle

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

Dilate about (0, 0) by scale factor 3. 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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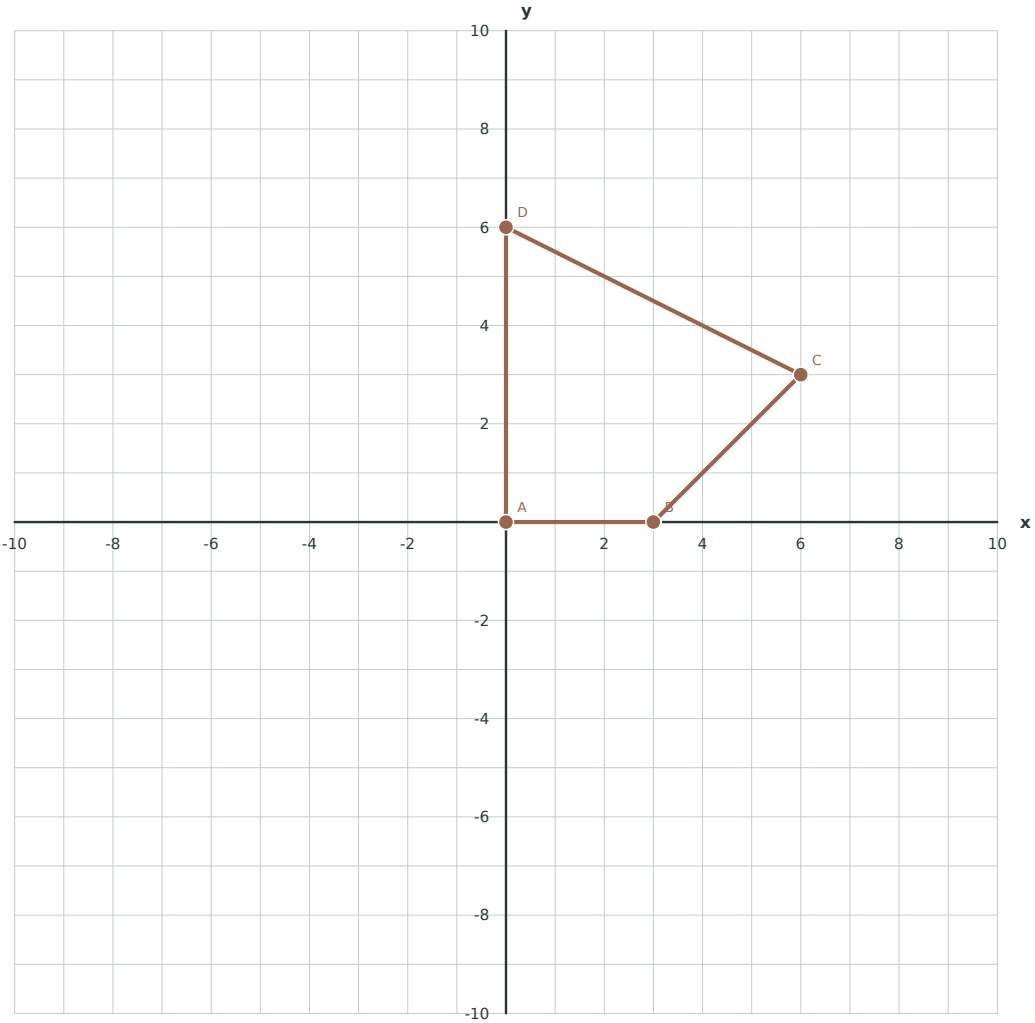
Two-thirds quadrilateral

Vertices in order: A(0, 0); B(3, 0); C(6, 3); D(0, 6).

Dilate about (0, 0) by scale factor 2/3. 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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