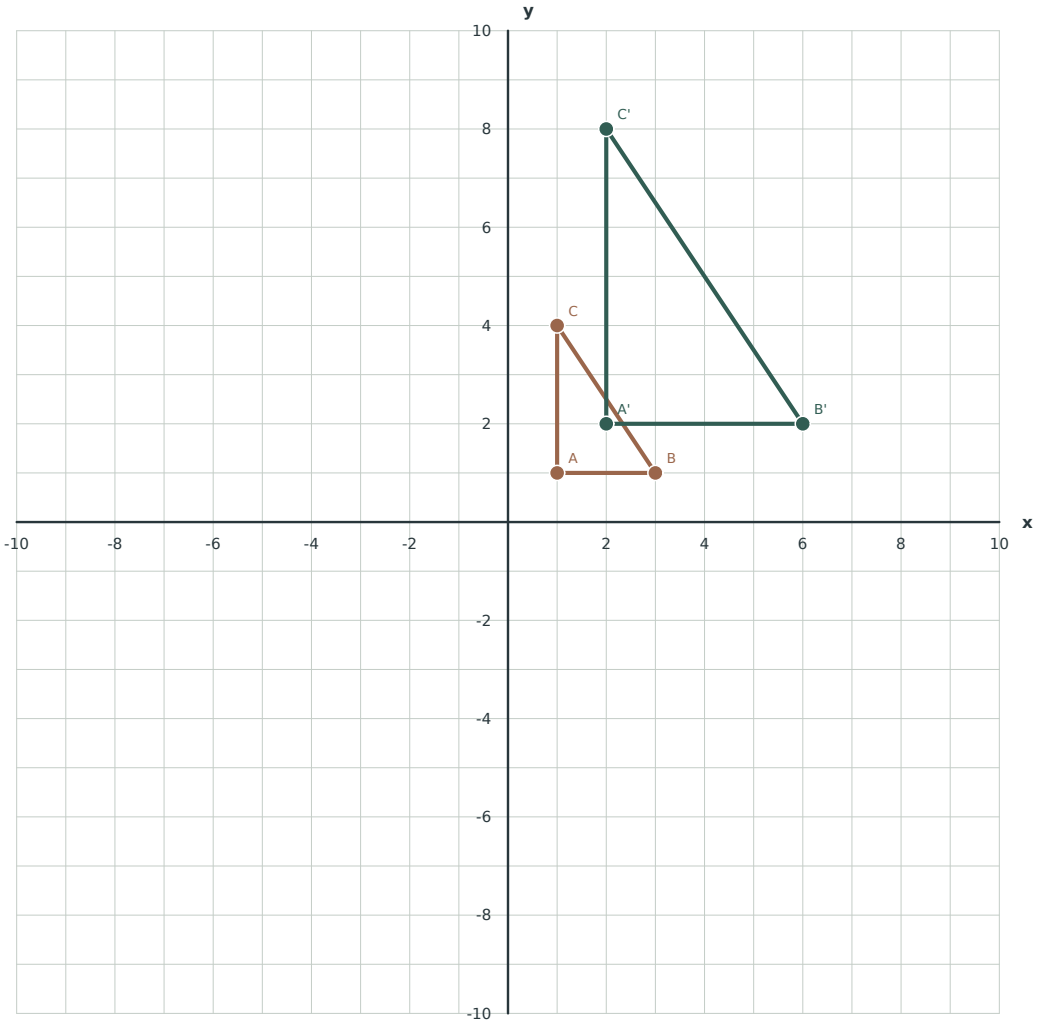
Double the triangle

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.

ANSWER / worked construction



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

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

Image vertices: A(2, 2); B(6, 2); C(2, 8).

Length ratio = 2; area ratio = 4. Area: 3 to 12 square units.

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