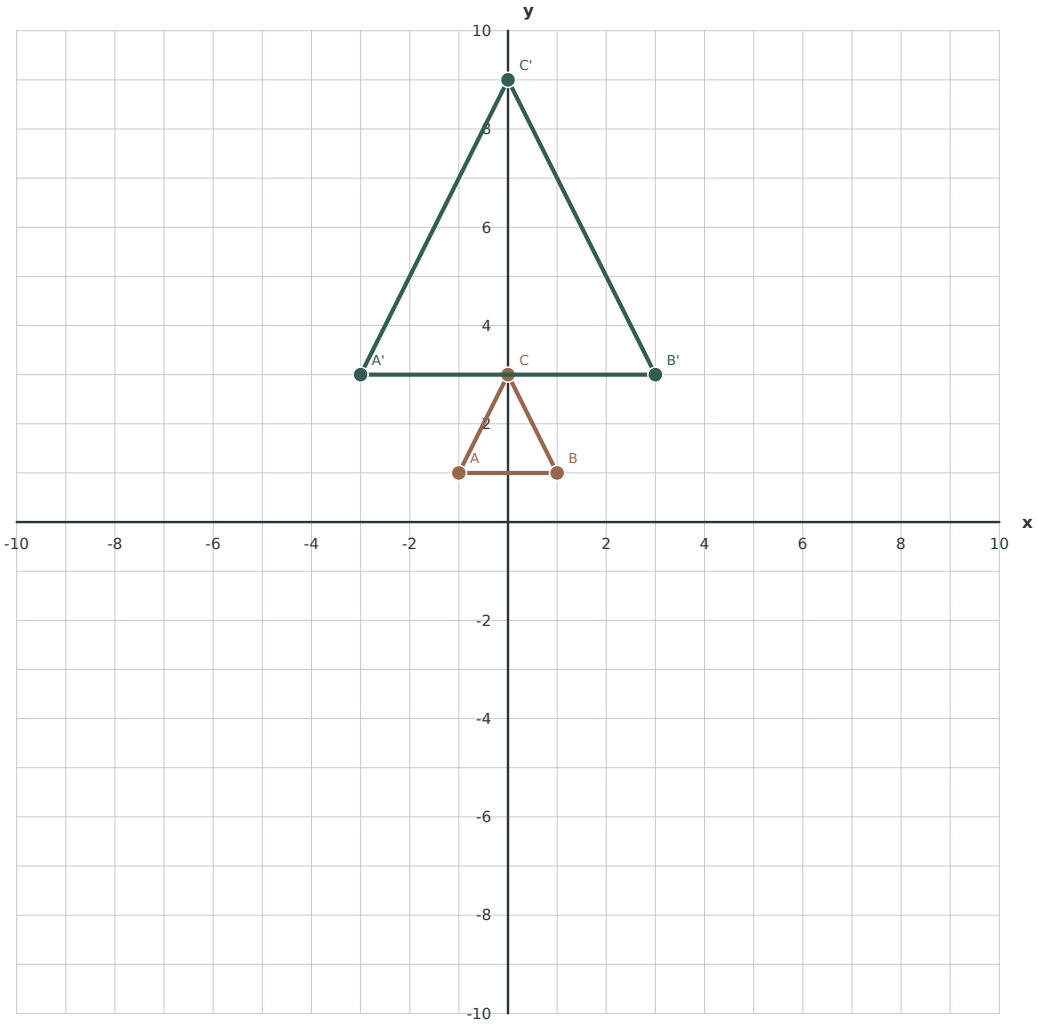
Triple a triangle

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.

ANSWER / worked construction



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

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

Image vertices: A(-3, 3); B(3, 3); C(0, 9).

Length ratio = 3; area ratio = 9. Area: 2 to 18 square units.

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