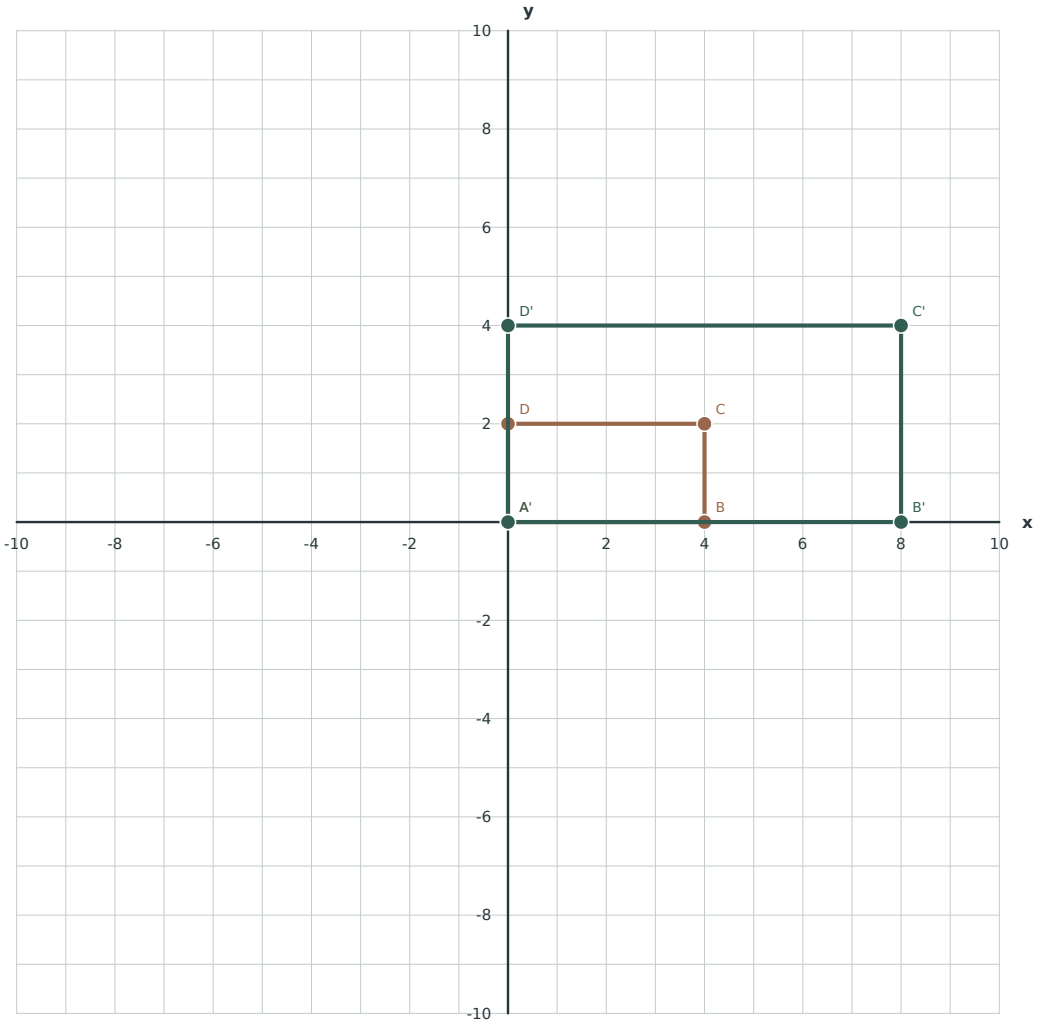
Double a rectangle

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

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(0, 0); B(8, 0); C(8, 4); D(0, 4).

Length ratio = 2; area ratio = 4. Area: 8 to 32 square units.

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