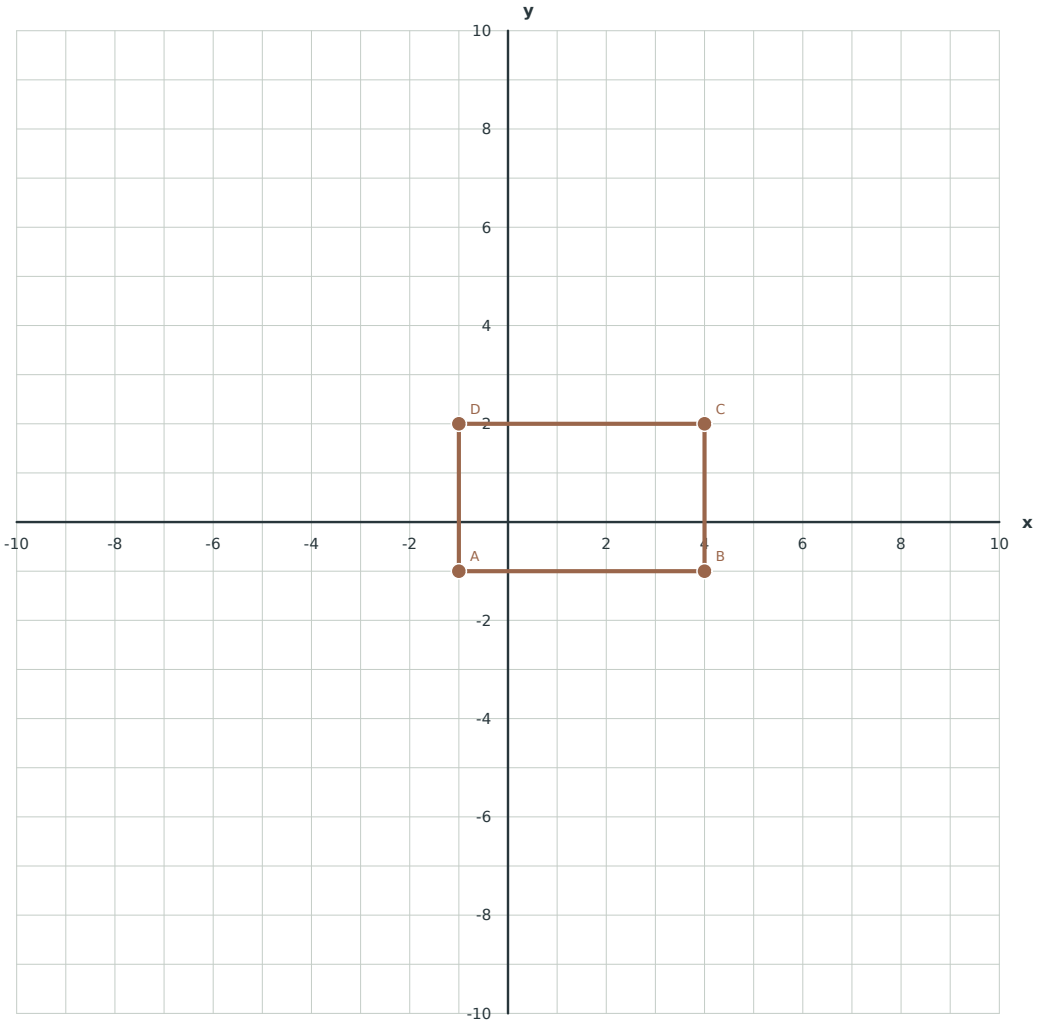
Polygon case 6671601

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

Plot and join the vertices. Classify using parallel or equal sides and calculate area. Here trapezoid means exactly one parallel pair.

ANSWER / worked construction



Classification: rectangle. Parallel opposite-side pairs: 2.

Squared side lengths: 25, 9, 25, 9. Area = 15 square units.

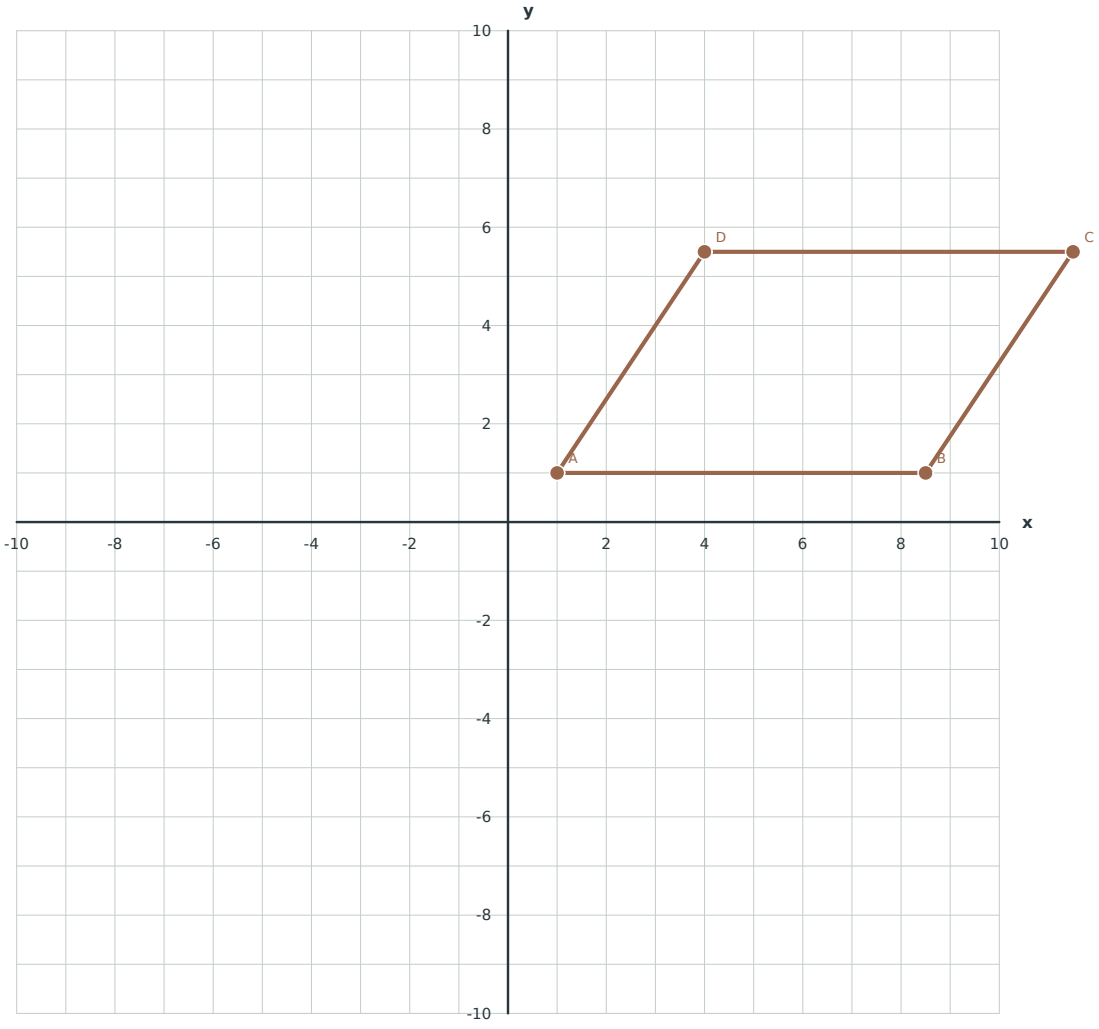
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Polygon case 6671602

Vertices in order: A(1, 1); B(8.5, 1); C(11.5, 5.5); D(4, 5.5).

Plot and join the vertices. Classify using parallel or equal sides and calculate area. Here trapezoid means exactly one parallel pair.

ANSWER / worked construction



Classification: parallelogram. Parallel opposite-side pairs: 2.

Squared side lengths: 225/4, 117/4, 225/4, 117/4. Area = 135/4 square units.

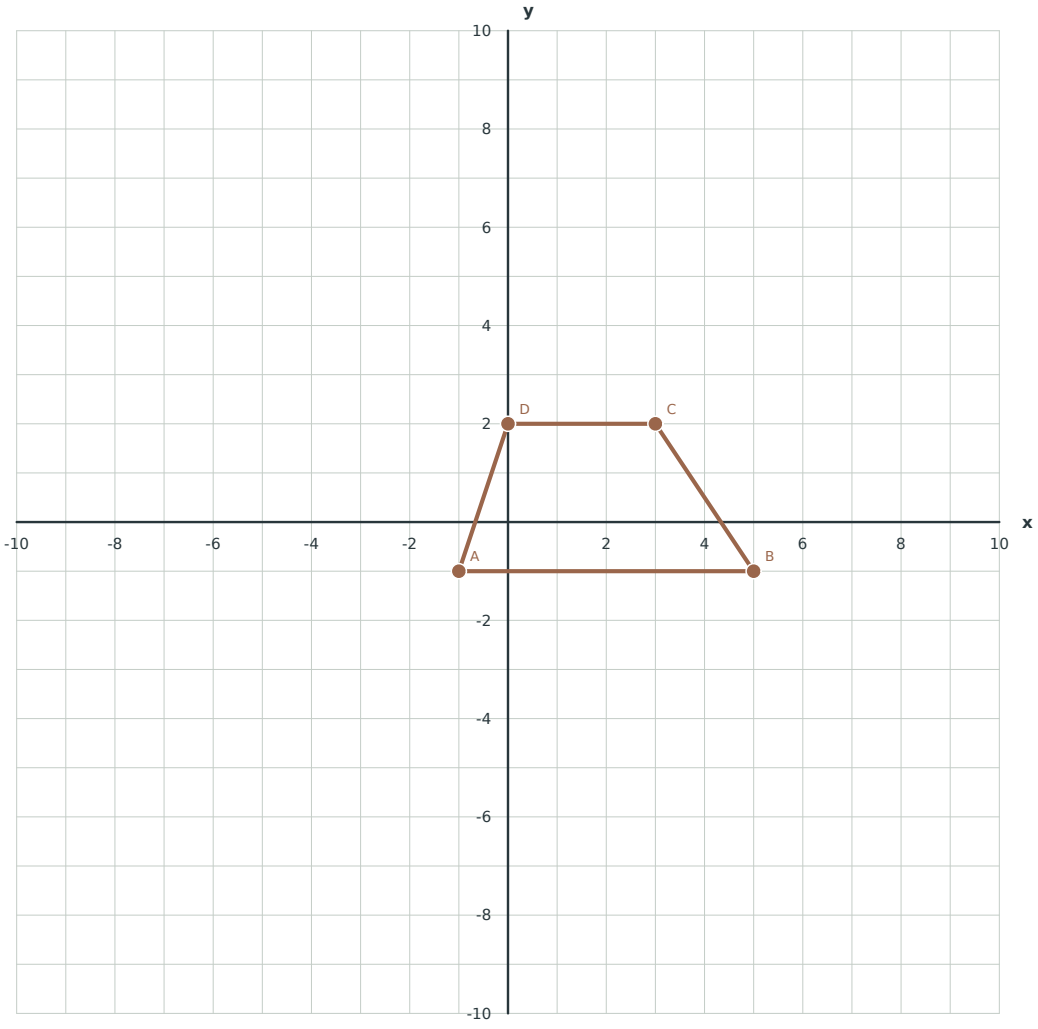
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Polygon case 6671603

Vertices in order: A(-1, -1); B(5, -1); C(3, 2); D(0, 2).

Plot and join the vertices. Classify using parallel or equal sides and calculate area. Here trapezoid means exactly one parallel pair.

ANSWER / worked construction



Classification: trapezoid. Parallel opposite-side pairs: 1.

Squared side lengths: 36, 13, 9, 10. Area = 27/2 square units.

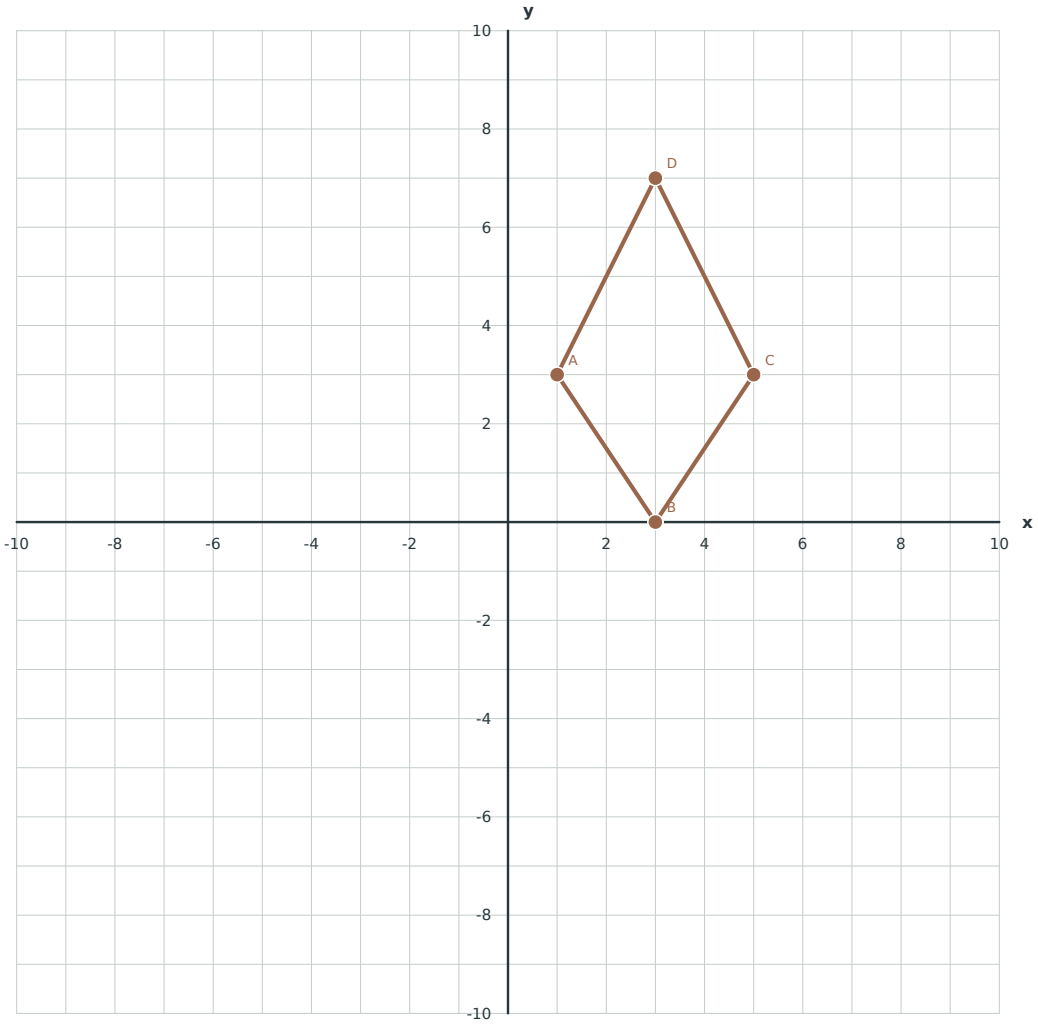
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Polygon case 6671604

Vertices in order: A(1, 3); B(3, 0); C(5, 3); D(3, 7).

Plot and join the vertices. Classify using parallel or equal sides and calculate area. Here trapezoid means exactly one parallel pair.

ANSWER / worked construction



Classification: kite. Parallel opposite-side pairs: 0.

Squared side lengths: 13, 13, 20, 20. Area = 14 square units.

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