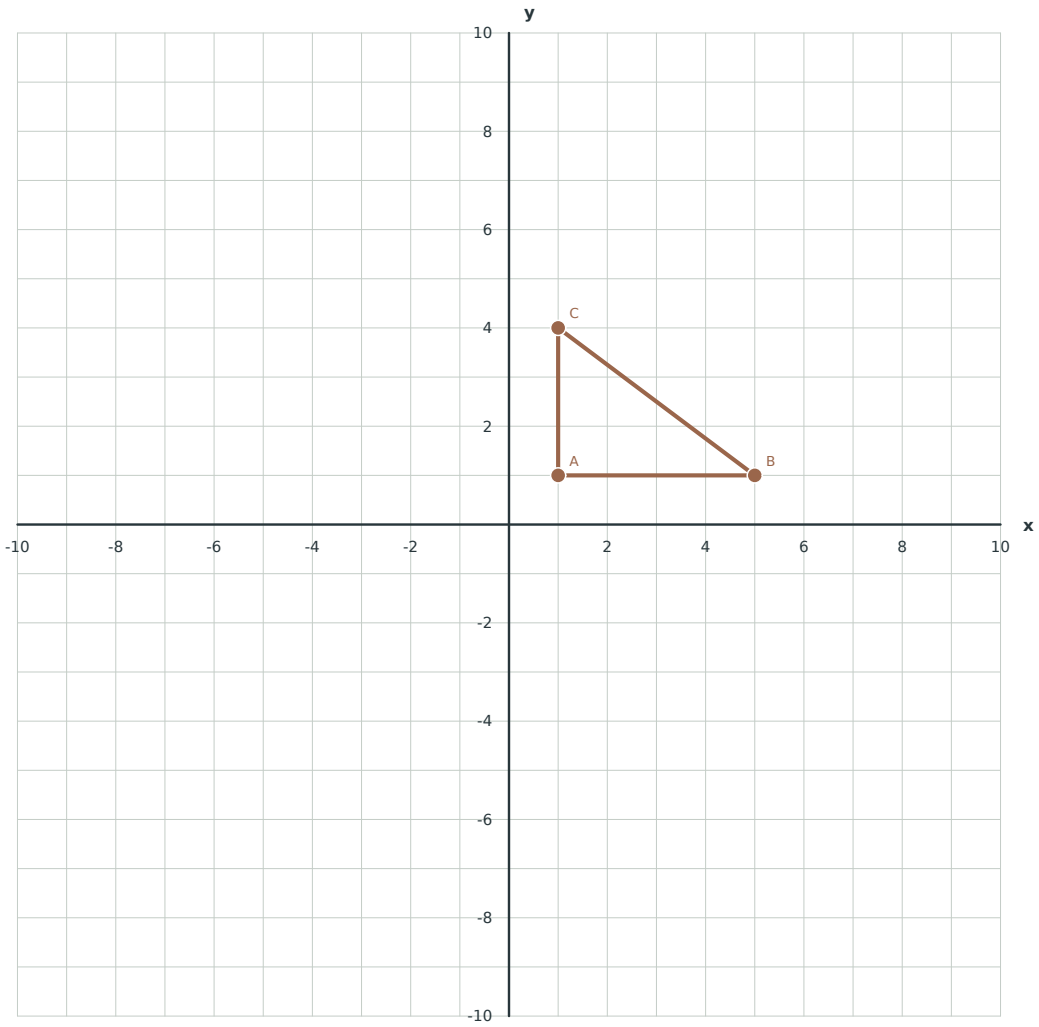
Polygon case 7BEFB01

Vertices in order: A(1, 1); B(5, 1); C(1, 4).

Plot and join the vertices. Classify by sides and angles; calculate the area.

ANSWER / worked construction



Squared side lengths: 16, 25, 9.

Triangle: right and scalene; area = 6 square units.

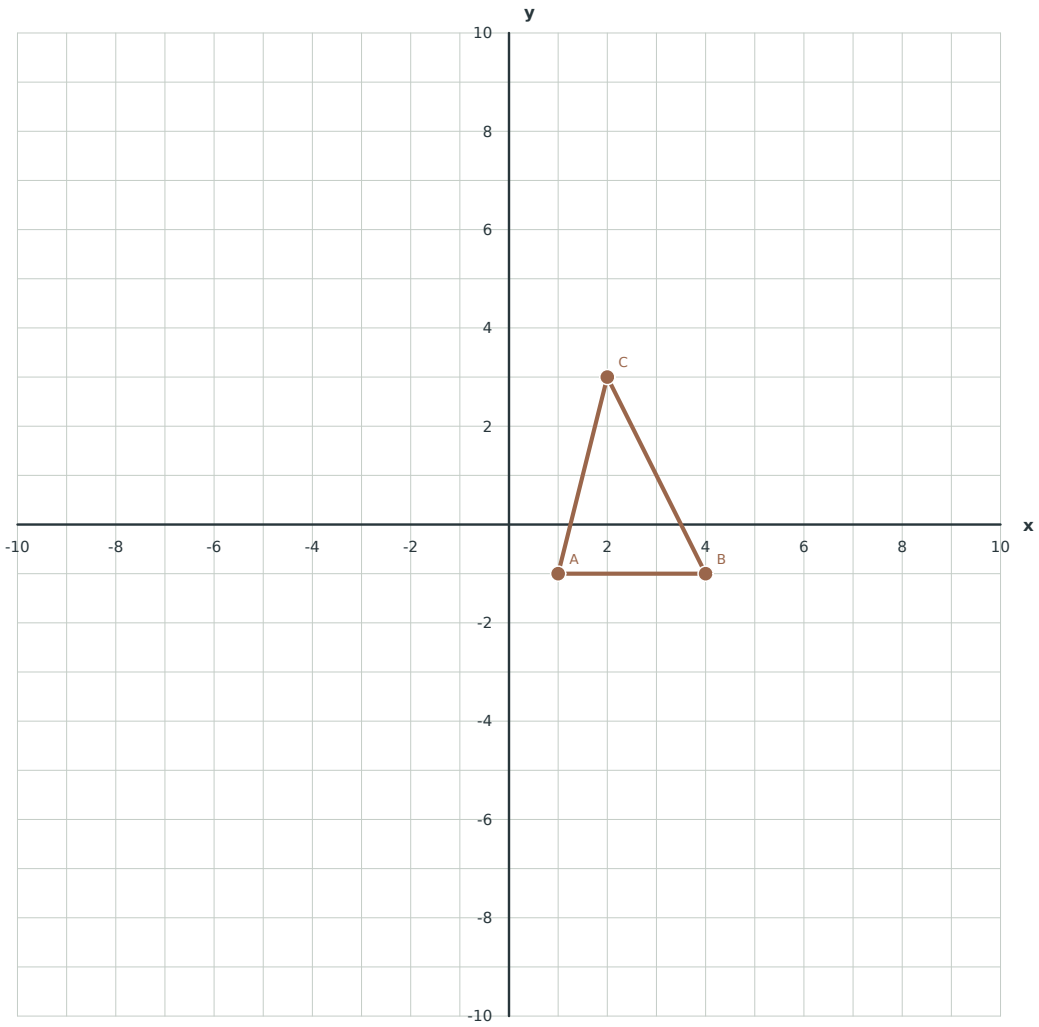
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Polygon case 7BEFB02

Vertices in order: A(1, -1); B(4, -1); C(2, 3).

Plot and join the vertices. Classify by sides and angles; calculate the area.

ANSWER / worked construction



Squared side lengths: 9, 20, 17.

Triangle: acute and scalene; area = 6 square units.

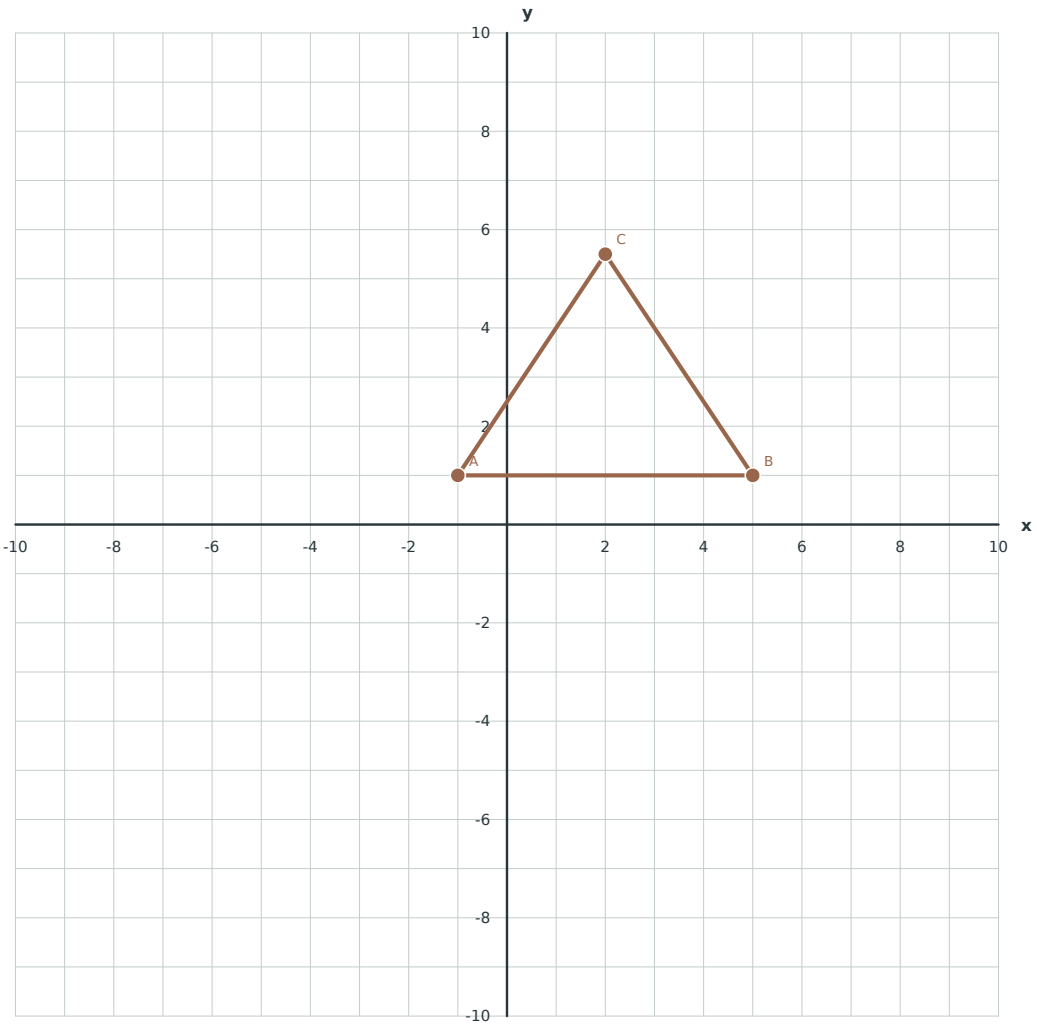
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Polygon case 7BEFB03

Vertices in order: A(-1, 1); B(5, 1); C(2, 5.5).

Plot and join the vertices. Classify by sides and angles; calculate the area.

ANSWER / worked construction



Squared side lengths: 36, 117/4, 117/4.

Triangle: acute and isosceles; area = 27/2 square units.

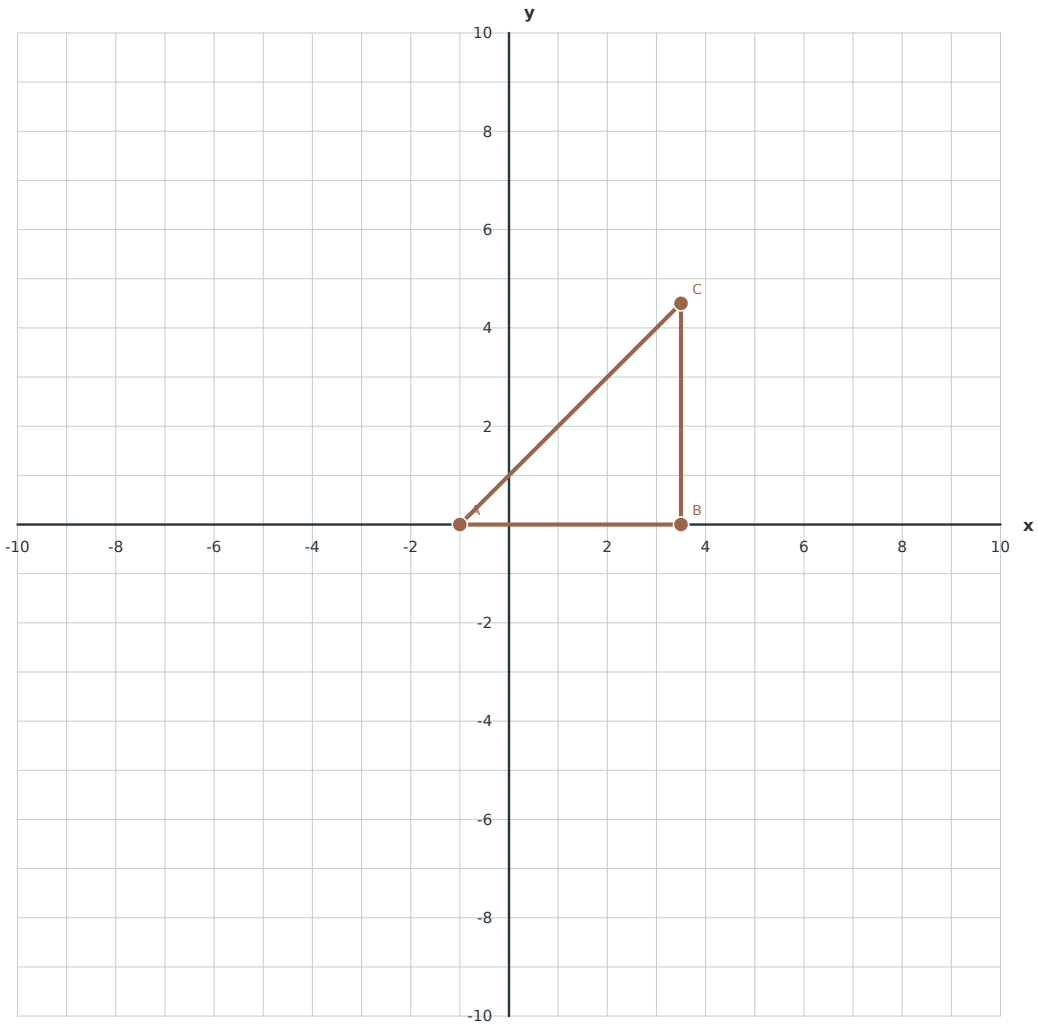
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Polygon case 7BEFB04

Vertices in order: A(-1, 0); B(3.5, 0); C(3.5, 4.5).

Plot and join the vertices. Classify by sides and angles; calculate the area.

ANSWER / worked construction



Squared side lengths: 81/4, 81/4, 81/2.

Triangle: right and isosceles; area = 81/8 square units.

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