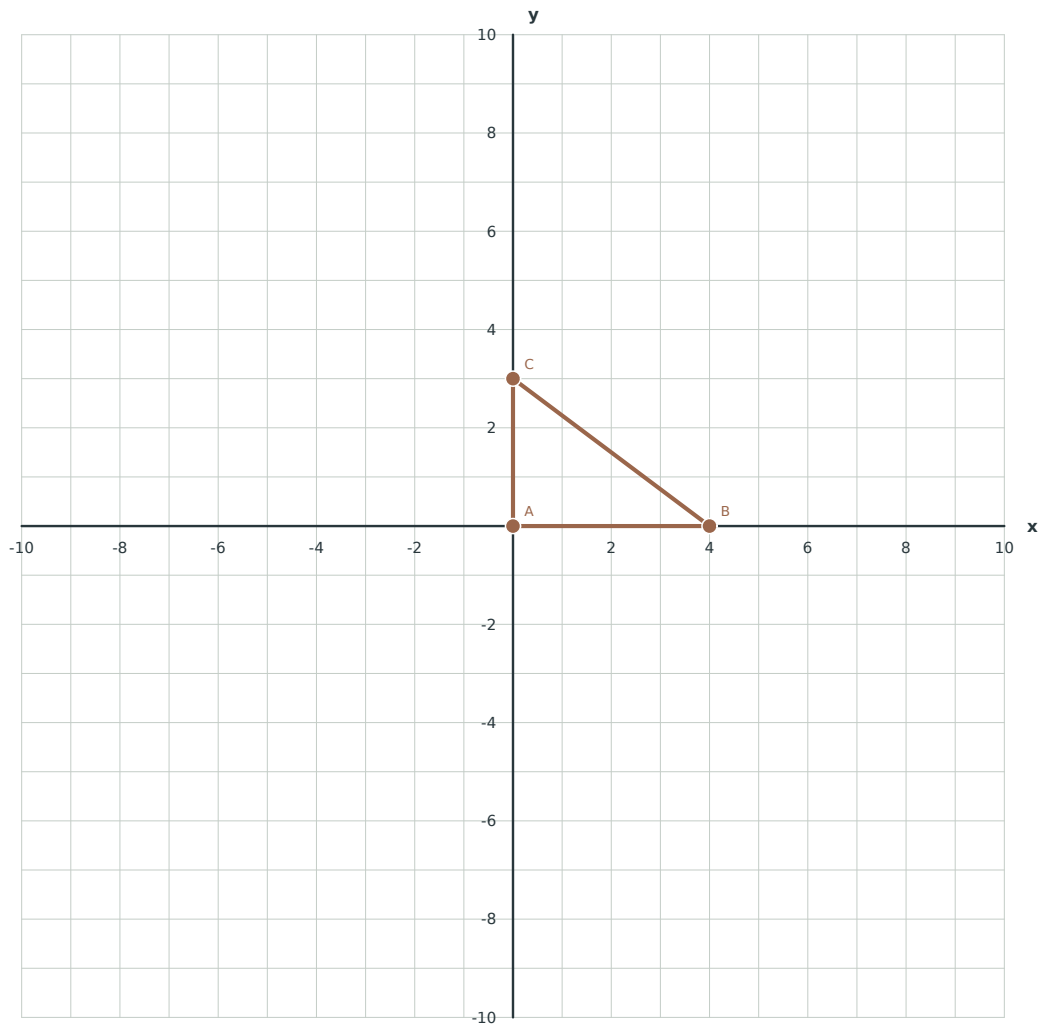


Triangle case TI01

Vertices in order: A(0, 0); B(4, 0); C(0, 3).

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

ANSWER / worked construction



Squared side lengths: 16, 25, 9.

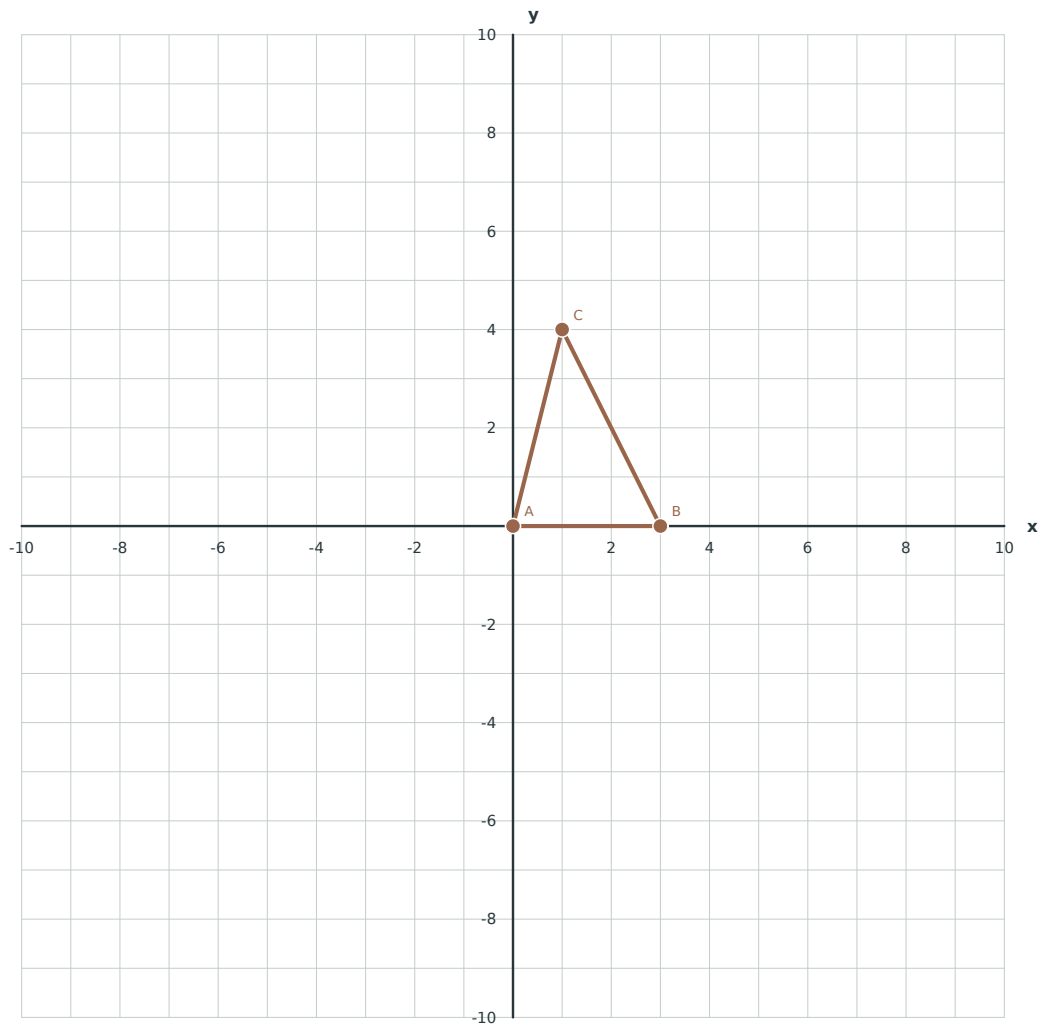
Triangle: right and scalene; area = 6 square units.

Triangle case TI02

Vertices in order: A(0, 0); B(3, 0); C(1, 4).

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

ANSWER / worked construction



Squared side lengths: 9, 20, 17.

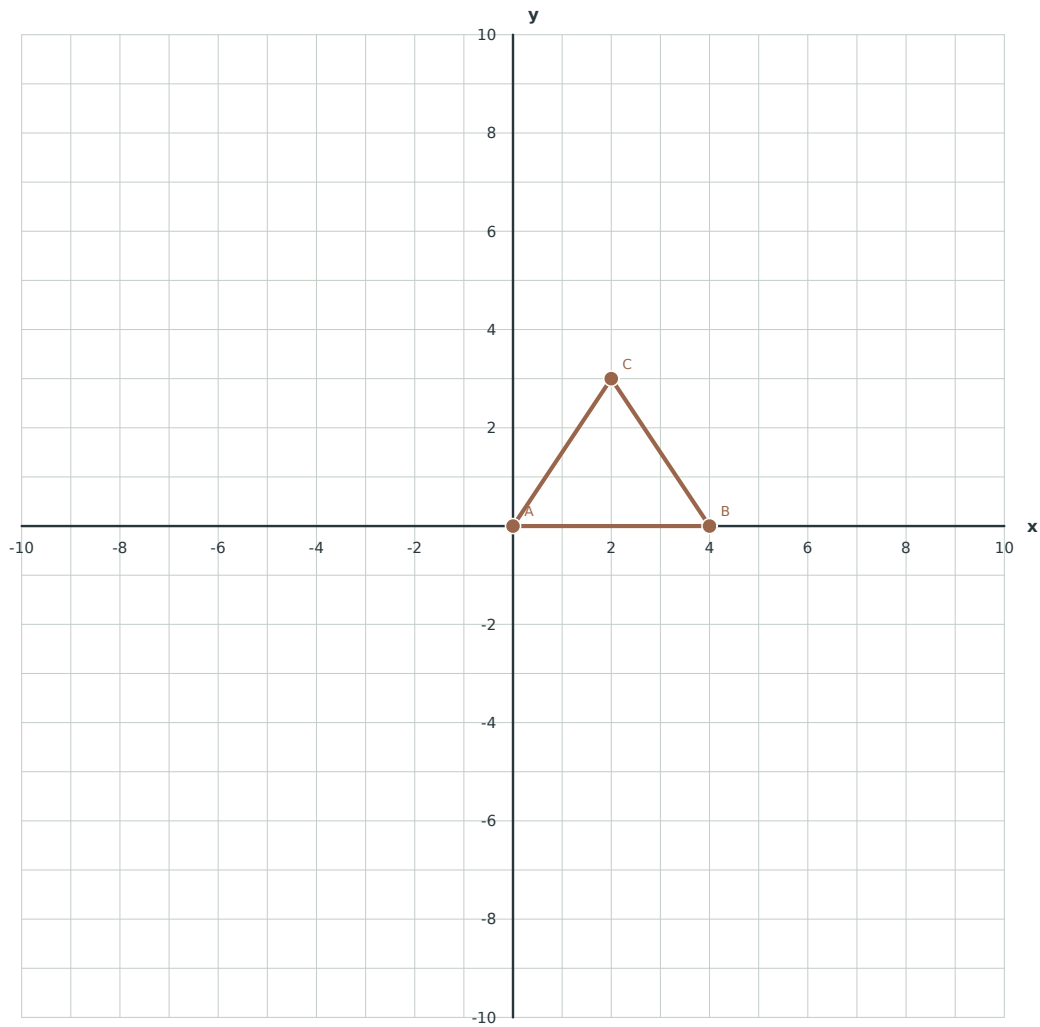
Triangle: acute and scalene; area = 6 square units.

Triangle case TI03

Vertices in order: A(0, 0); B(4, 0); C(2, 3).

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

ANSWER / worked construction



Squared side lengths: 16, 13, 13.

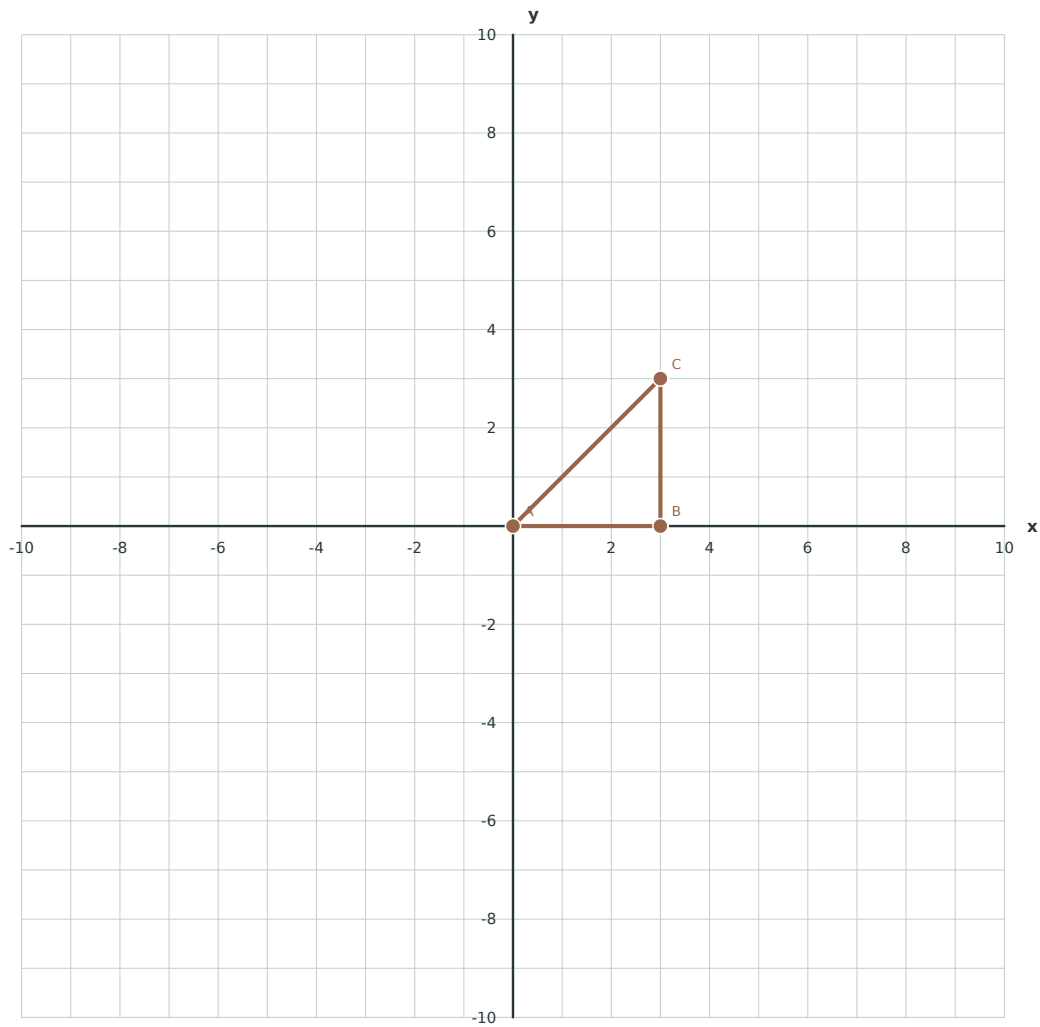
Triangle: acute and isosceles; area = 6 square units.

Triangle case TI04

Vertices in order: A(0, 0); B(3, 0); C(3, 3).

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

ANSWER / worked construction



Squared side lengths: 9, 9, 18.

Triangle: right and isosceles; area = $9/2$ square units.