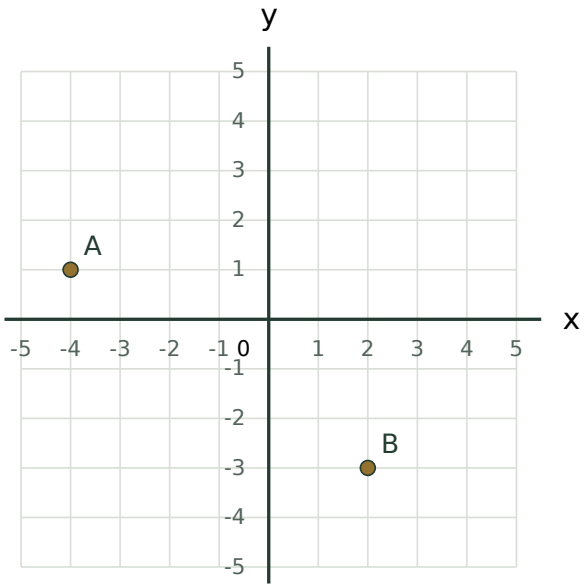
# Plotting/reading points

6 questions | 11 marks

Equivalent correct methods earn the corresponding marks.

**1.** Read the coordinates of B on the grid. [1 mark]

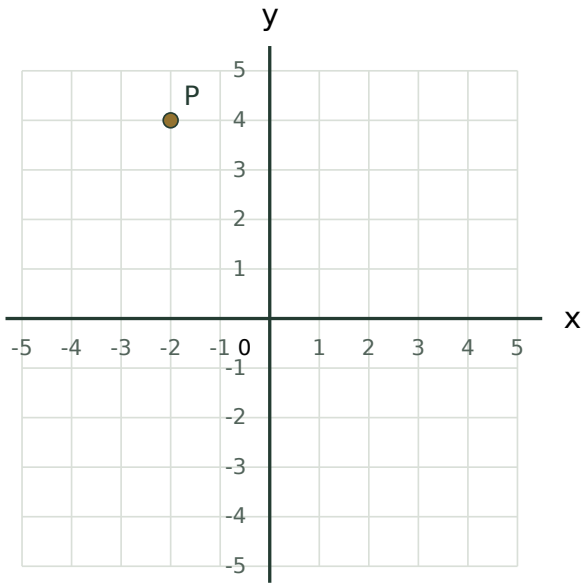



Each grid interval is 1 unit

B is 2 right and 3 down from the origin.

**Answer:** (2,−3)

**2.** Plot P = (−2,4) on the grid. [2 marks]

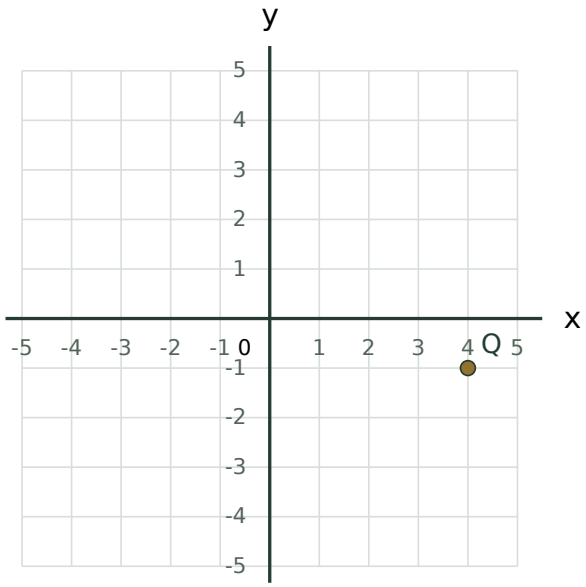



Each grid interval is 1 unit

Use x = −2, then y = 4.

**Answer:** P is 2 left and 4 up from the origin.

**3.** Plot Q = (4,−1) on the grid. [2 marks]

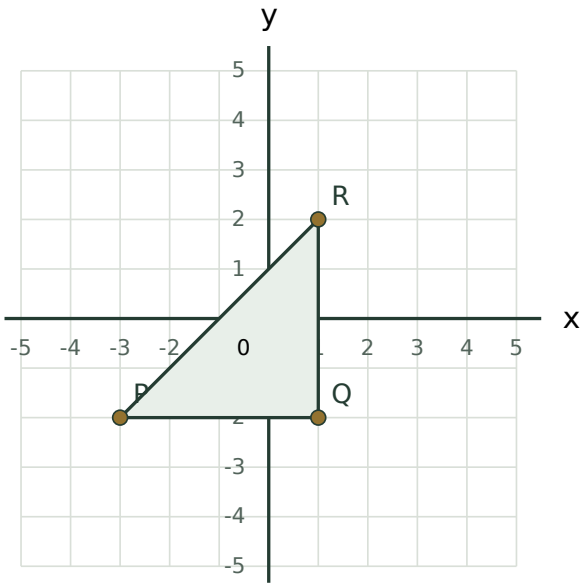



Each grid interval is 1 unit

Use x = 4, then y = −1.

**Answer:** Q is 4 right and 1 down from the origin.

**4.** Plot P = (−3,−2), Q = (1,−2) and R = (1,2). Join P to Q, Q to R and R to P. [3 marks]




Each grid interval is 1 unit

P and Q share y = −2.

Q and R share x = 1.

Join the vertices in the stated order.

**Answer:** The three points form a triangle with a horizontal side PQ and a vertical side QR.

**5.** For (2,−4), Sam moves 4 units left and 2 units up. Explain and correct the plotting error. [2 marks]

The first coordinate, 2, is the horizontal move.

The second coordinate, −4, is the vertical move.

**Answer:** Sam used the wrong direction and swapped the values. Move 2 right and 4 down.

**6.** Give the coordinates of a point on the x-axis 5 units left of the origin. [1 mark]

Five left gives x = −5.

On the x-axis, y = 0.

**Answer:** (−5,0)