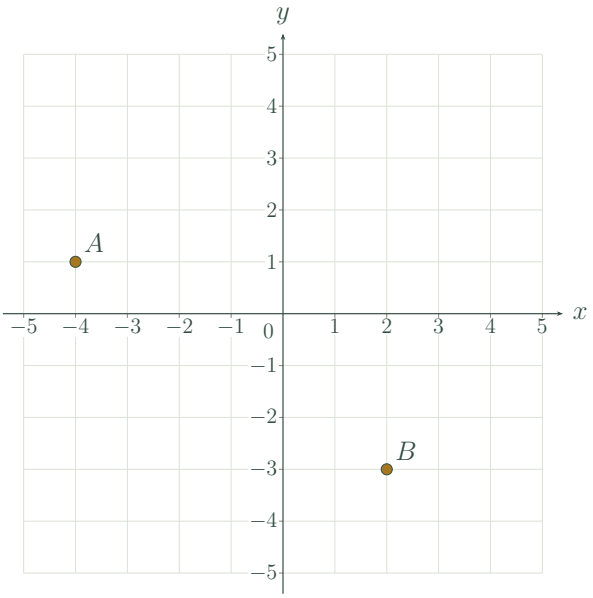
Plotting/reading points

6 questions | 11 marks

Equivalent correct methods earn the corresponding marks.

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

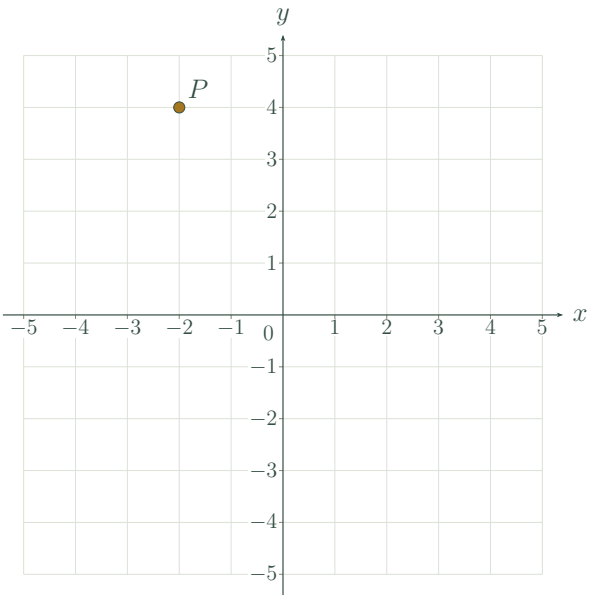


Each grid interval is 1 unit

B is 2 right and 3 down from the origin.

Answer: $(2, -3)$

2. Plot $P = (-2, 4)$ on the grid. [2 marks]

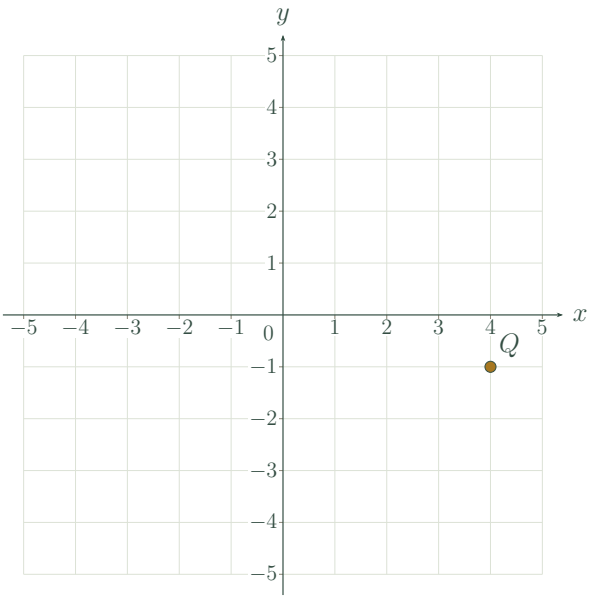


Each grid interval is 1 unit

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]

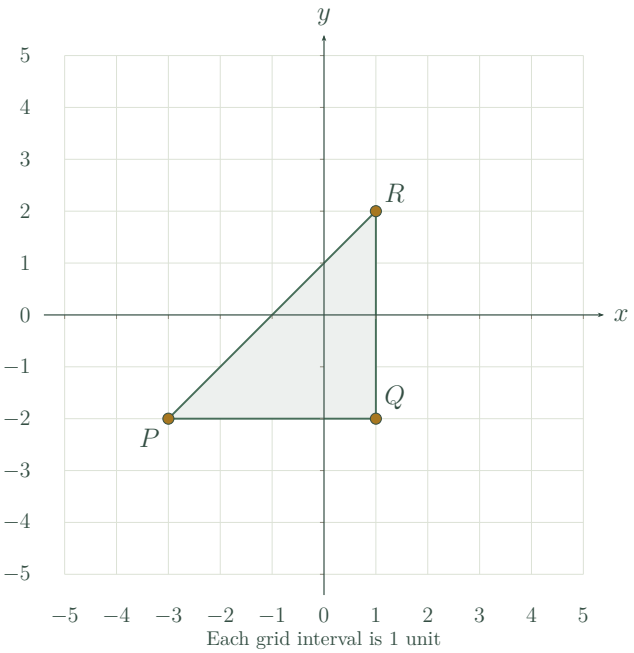


Each grid interval is 1 unit

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]



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: $(-5,0)$