Four-quadrant coordinates

6 questions | 12 marks

Equivalent correct methods earn the corresponding marks.

1. Describe the moves from the origin to $(4, 1)$. [2 marks]

Read $x = 4$ before $y = 1$.

Answer: 4 right, then 1 up.

2. Name the quadrant containing $(-2, -5)$. [2 marks]

Both coordinates are negative: left and down.

Answer: Quadrant III.

3. A point is 3 left and 4 up from the origin. Write its coordinates. [2 marks]

Left gives $x = -3$; up gives $y = 4$.

Answer: $(-3, 4)$

4. Which axis contains $(6, 0)$? [2 marks]

Its y-coordinate is zero.

Answer: The x-axis.

5. Is the origin in quadrant I? Explain. [2 marks]

At $(0, 0)$, neither coordinate is positive or negative.

Answer: No. It lies on both axes.

6. Can a point with positive x and negative y lie in quadrant II? Explain. [2 marks]

Quadrant II needs negative x and positive y.

Answer: No. Those signs place it in quadrant IV.