Cartesian plane topic test

Name: _____ Date: _____

12 questions | 19 marks | 30 minutes

Coordinate reading, plotting and movement on equal-unit grids.

No calculator needed.

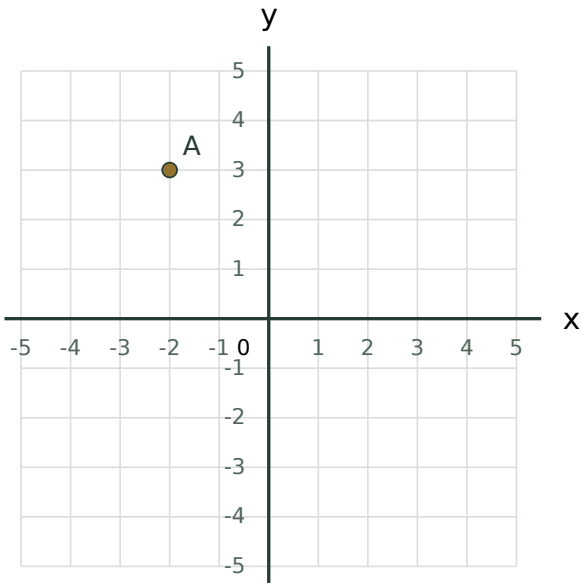
1. Name the horizontal coordinate axis. [1 mark]

2. Give the coordinates of the origin. [1 mark]

3. Which quadrant contains $(-4,-2)$? [1 mark]

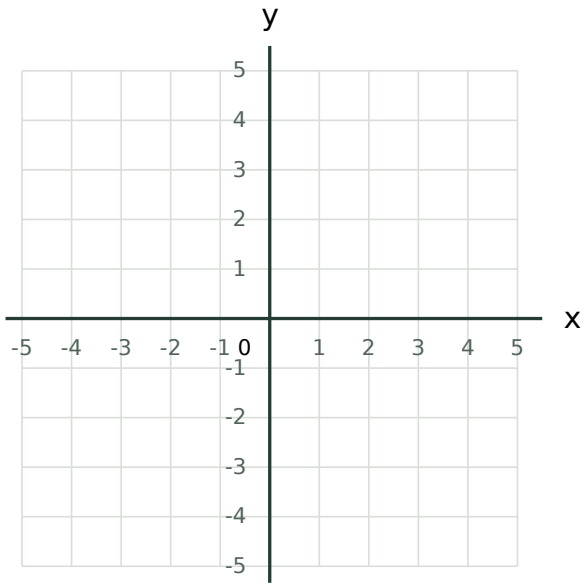
4. A point is (0,4). Name its axis and explain whether it is inside a quadrant. [2 marks]

5. Read the coordinates of A. [1 mark]



Each grid interval is 1 unit

6. Plot P = (4,−3) on the grid. [2 marks]



Each grid interval is 1 unit

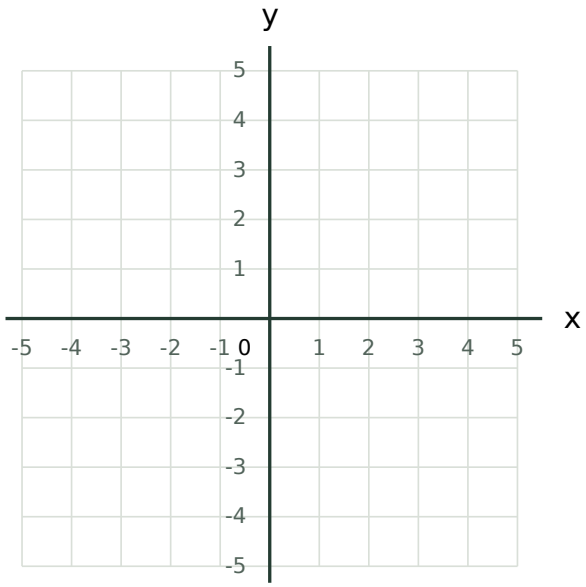
7. For the point (2,−1), a student writes (−1,2). Explain why these are different points. [2 marks]

8. Start at $(-3,2)$. Move 4 right and 5 down. Find the final coordinates. [2 marks]

9. Reflect $(-2,-4)$ in the x-axis. [1 mark]

10. Reflect $(4,1)$ in the y-axis. [1 mark]

11. Plot A = (−3,−3), B = (2,−3), C = (2,1). Join A-B-C-A. [3 marks]



Each grid interval is 1 unit

12. A point moves from (−4,2) to (1,−2) using one horizontal slide and one vertical slide. Describe the two moves. [2 marks]