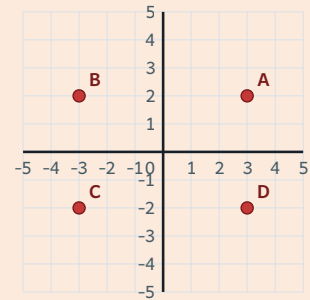


All four quadrants — first walk

WHAT THIS LESSON TEACHES

The coordinate plane is split by the *x*-axis and *y*-axis into **four quadrants**, numbered anticlockwise starting top-right. The signs of the two coordinates tell you which quadrant a point lives in.

- **A (3, 2)** — both positive → quadrant **1** (top-right).
- **B (-3, 2)** — *x* negative, *y* positive → quadrant **2** (top-left).
- **C (-3, -2)** — both negative → quadrant **3** (bottom-left).
- **D (3, -2)** — *x* positive, *y* negative → quadrant **4** (bottom-right).



ANSWER KEY

- | | |
|--|-------------------------|
| a) A: quadrant 1 (top-right). | Q1: (-6, 9) → Q2 |
| b) B: quadrant 2 (top-left). | Q2: (4, -4) → Q4 |
| c) C: quadrant 3 (bottom-left). | Q3: (-6, 9) → Q2 |
| d) D: quadrant 4 (bottom-right). | Q4: (-6, 4) → Q2 |
| e) E: on the negative y-axis — not in any quadrant. | |

EXTENSION SHEET · STRETCH ANSWERS

- | | |
|-------------------------|-------------------------|
| S1: (8, -4) → Q4 | S3: (-6, 4) → Q2 |
| S2: (8, -4) → Q4 | |