

# Plotting points in the first quadrant

MODULE 8 · LOCATION, TRANSFORMATIONS AND SCALE SHAPE &amp; SPACE

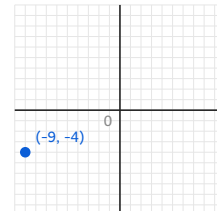
## HOW TO ANSWER TODAY

- **Quadrants.** Q1 is top-right; numbering goes ANTICLOCKWISE. A point on an axis is on the axis, not in a quadrant.

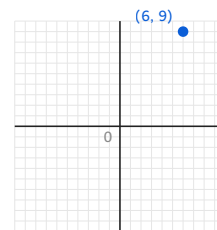
(3, 5) → Q1 · (-2, 1) → Q2 · (0, 4) → on the y-axis

## ★ STRETCH PROBLEMS

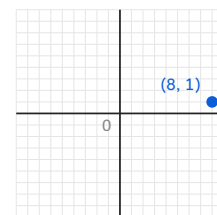
- 1 Tadhg marks the starting positions for the school relay race on a coordinate grid. One runner starts at  $(-9, -4)$ . Which quadrant contains this point?



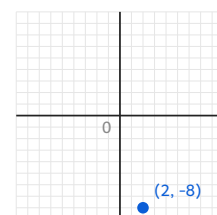
- 2 Fionn draws a coordinate grid to show where each pupil sits in 6th class. One desk is marked at the point  $(6, 9)$ . Which quadrant contains this point?



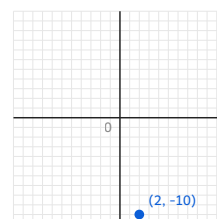
- 3 At indoor break, Saoirse and Tadhg play a battleship-style game on squared grid paper. Saoirse marks one of her ships at the point  $(8, 1)$ . Which quadrant contains the point  $(8, 1)$ ?



- 4 The PE teacher sketches a coordinate grid on the yard to plan relay-race starting spots. One runner is placed at the point  $(2, -8)$ . Which quadrant contains that point?



- 5 Tadhg and his friends mark cone positions on a coordinate grid in the school yard for a treasure hunt game. One cone is placed at the point  $(2, -10)$ . Which quadrant contains this point?



SHAPE &amp; SPACE