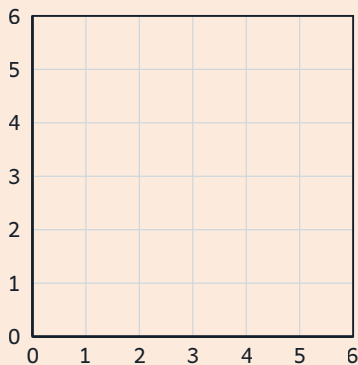


IDENTIFYING THE QUADRANT FOR A POINT

- 1 Look at the signs of the x and y values.
- 2 Both positive means quadrant I.
- 3 x negative and y positive means quadrant II.

WARM-UP

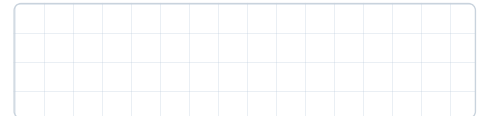
Plot these points on the four-quadrant grid.



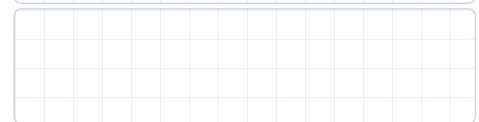
1. Plot (5, 2) for Galway
2. Plot (-3, 4) for Dublin
3. Plot (-4, -3) for Cork

PRACTICE

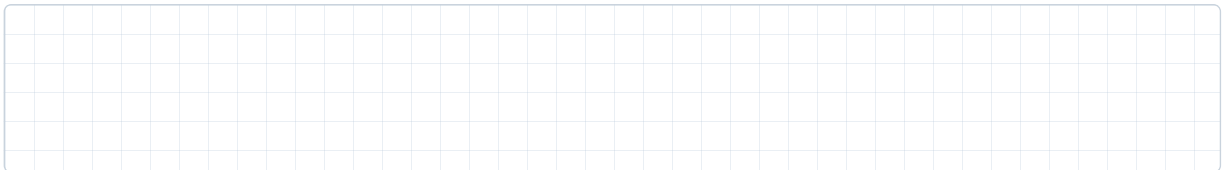
- 1 On the Ireland map with origin at Athlone, plot Galway at (7, 1).



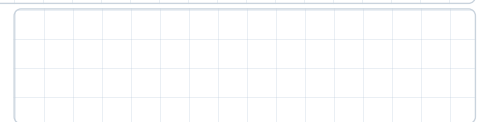
- 2 On the Ireland map with origin at Athlone, plot Dublin at (-1, 8).



- 3 On the Ireland map with origin at Athlone, mark Belfast at (0, 6).



- 4 On the Ireland map with origin at Athlone, plot Limerick at (2, -5).



? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- | | |
|--|--|
| a. A point and its mirror image in the x-axis are in the same quadrant. <input type="text"/> | c. Two points with the same x co-ordinate are in the same quadrant. <input type="text"/> |
| b. Swapping a point's x and y co-ordinates keeps it in the same quadrant. <input type="text"/> | d. The quadrants are numbered anticlockwise, starting from the top right. <input type="text"/> |