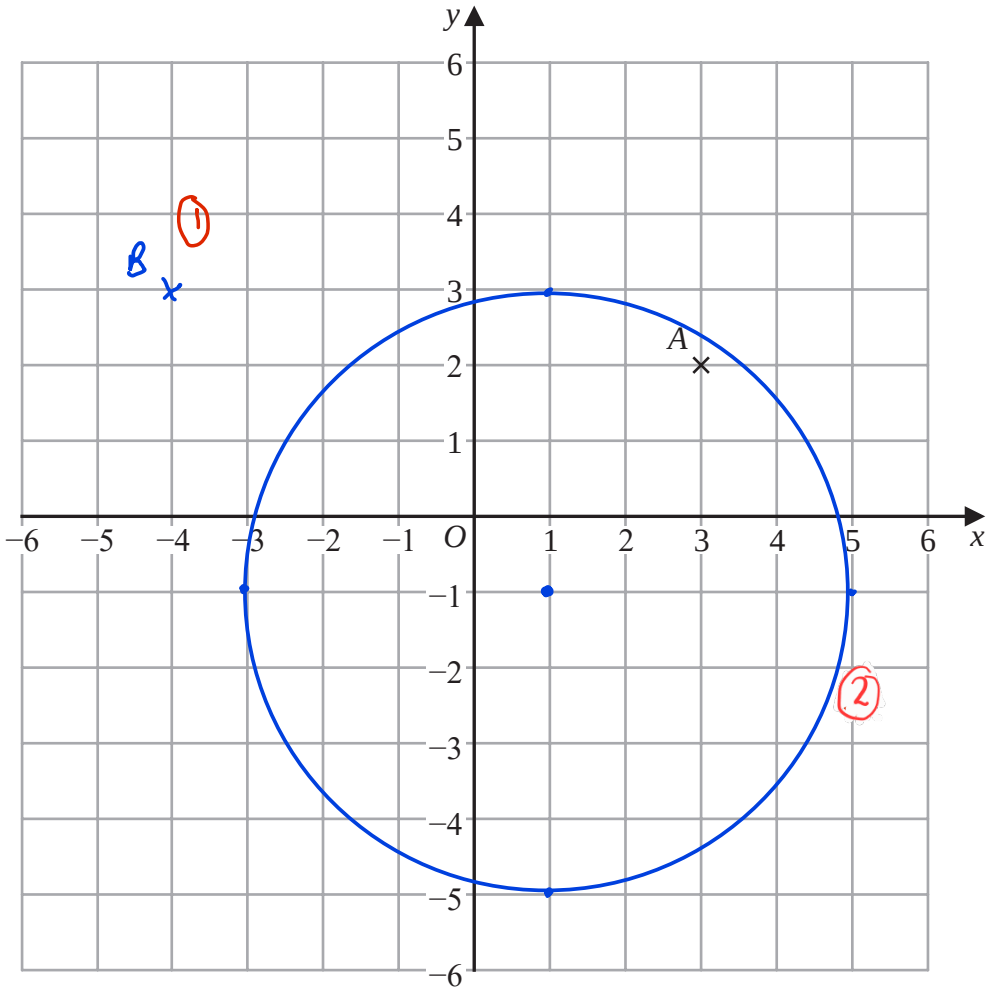
1 Here is a centimetre grid.



(a) Write down the coordinates of point *A*.

(3 , 2)

(1)

(b) On the grid, mark with a cross (×) the point with coordinates (−4, 3)
Label this point *B*.

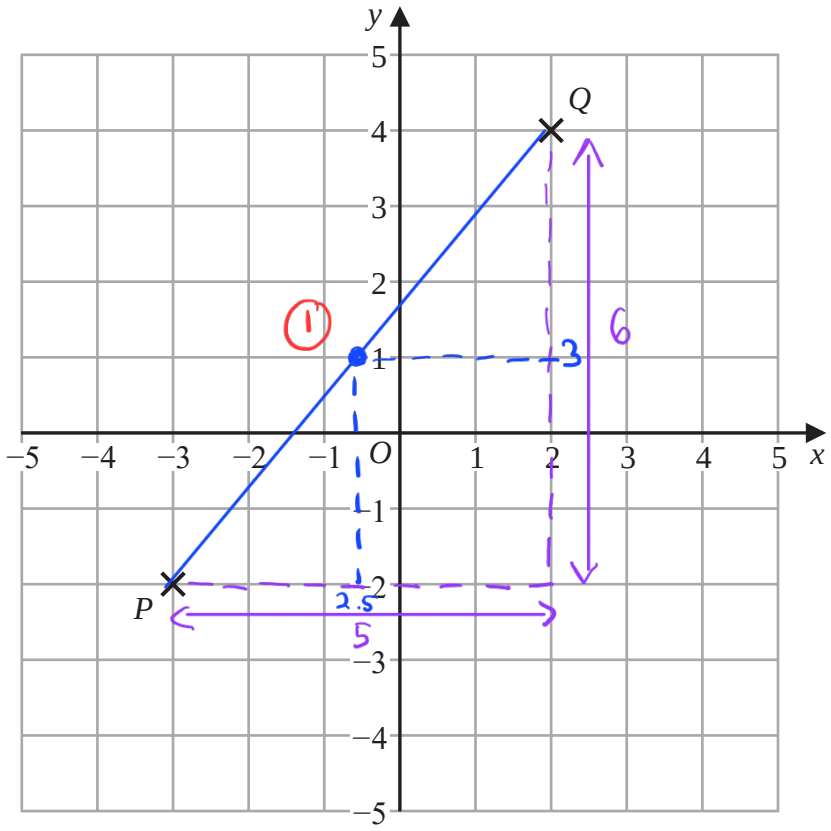
(1)

(c) On the grid, draw the circle with
centre (1, −1)
and radius 4 cm.

(2)

(Total for Question 1 is 4 marks)

2



Find the coordinates of the midpoint of PQ.

MIDPOINT

$x\text{-axis} = \frac{5}{2} = 2.5$

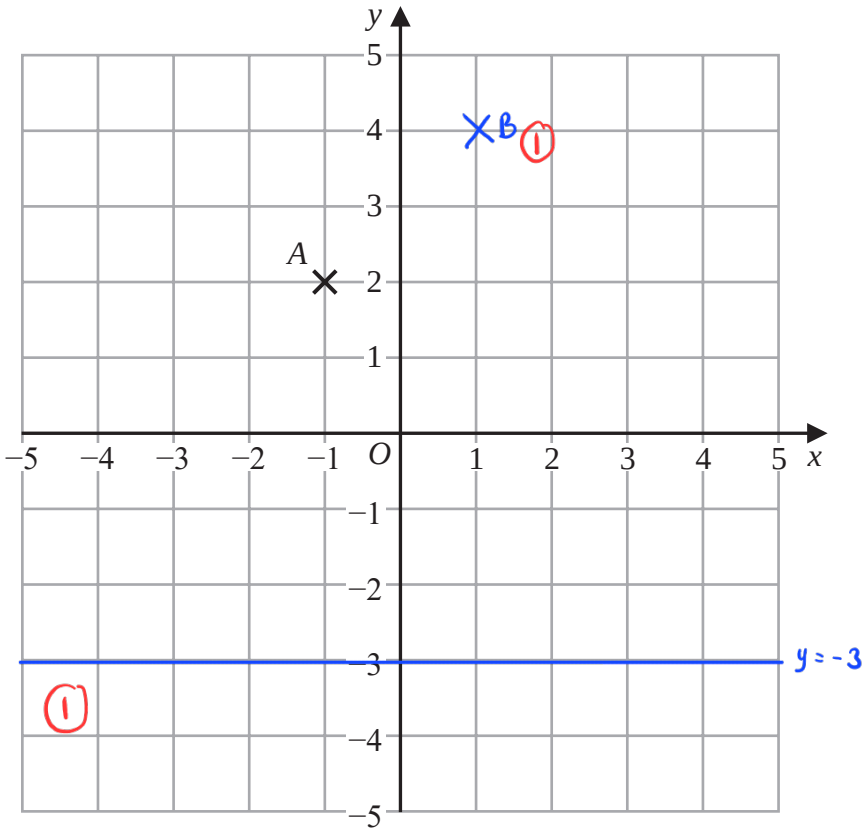
$y\text{-axis} = \frac{6}{2} = 3$

(1)

(-0.5 , 1)

(Total for Question 2 is 2 marks)

3



(a) Write down the coordinates of point *A*.

(-1 , 2)

(1)

(b) On the grid, mark with a cross (×) the point (1, 4)
Label this point *B*.

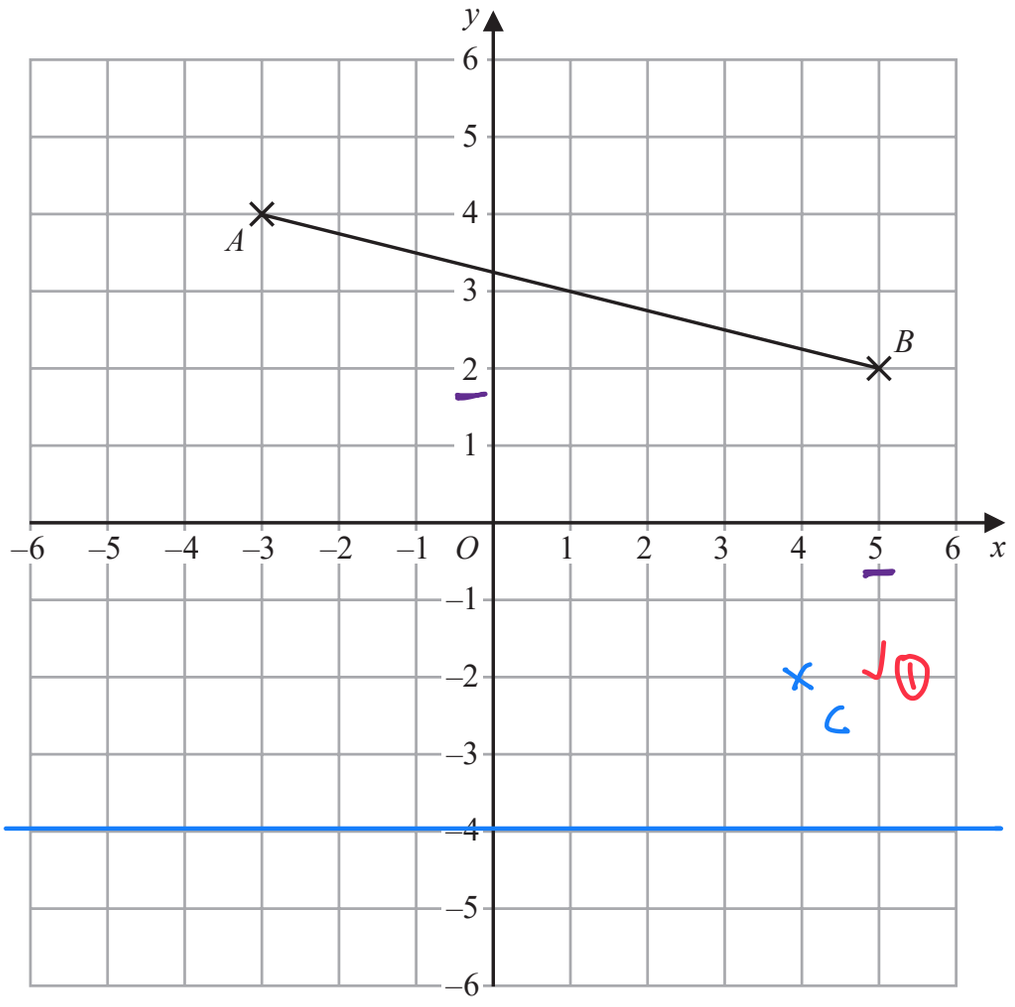
(1)

(c) On the grid, draw the line with equation $y = -3$

(1)

(Total for Question 3 is 3 marks)

4



(a) Write down the coordinates of point B.

B is 5 along, 2 up

(5 , 2)

(1)

(b) Plot the point with coordinates (4, –2)
Label this point C.

4 along, 2 down

(1)

(c) Write down the coordinates of the midpoint of AB.

Start at A
A to B: 8 across, 2 down
half: 4 across, 1 down
Start at A
-3 + 4 = 1
4 - 1 = 3

(1 , 3)

(1)

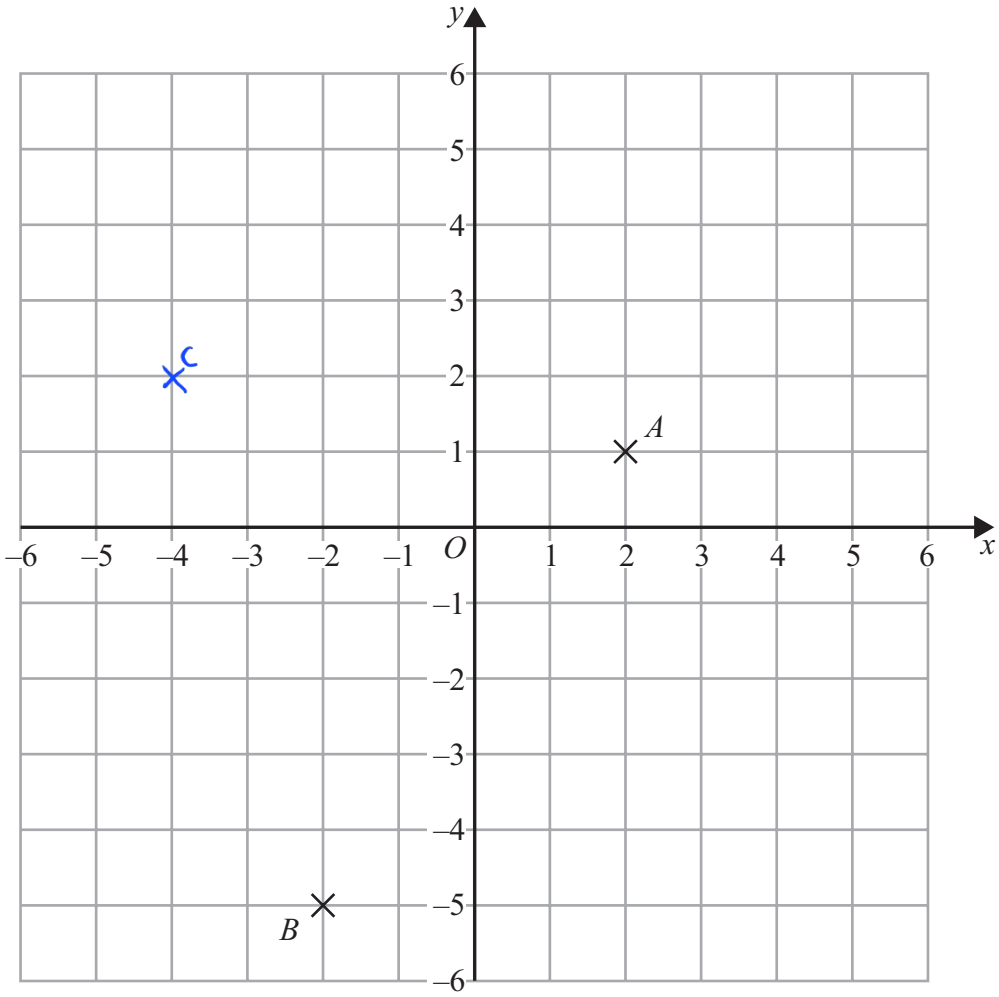
(d) Draw the line with equation $y = -4$

horizontal line

(1)

(Total for Question 4 is 4 marks)

5 The points A and B are shown on the grid.



(a) Write down the coordinates of the point A.

(2 (1) , 1)

(1)

(b) Find the coordinates of the midpoint of AB.

A = (2, 1)

B = (−2, −5)

Midpoint AB:

$x = \left(\frac{2 + (-2)}{2}\right) = 0$ (1)

$y = \left(\frac{1 + (-5)}{2}\right) = -2$

(0 , −2 (1))

(2)

(c) On the grid, mark with a cross (×) the point with coordinates (–4, 2)
Label this point C.

(1)

(Total for Question 5 is 4 marks)