# Name: _____

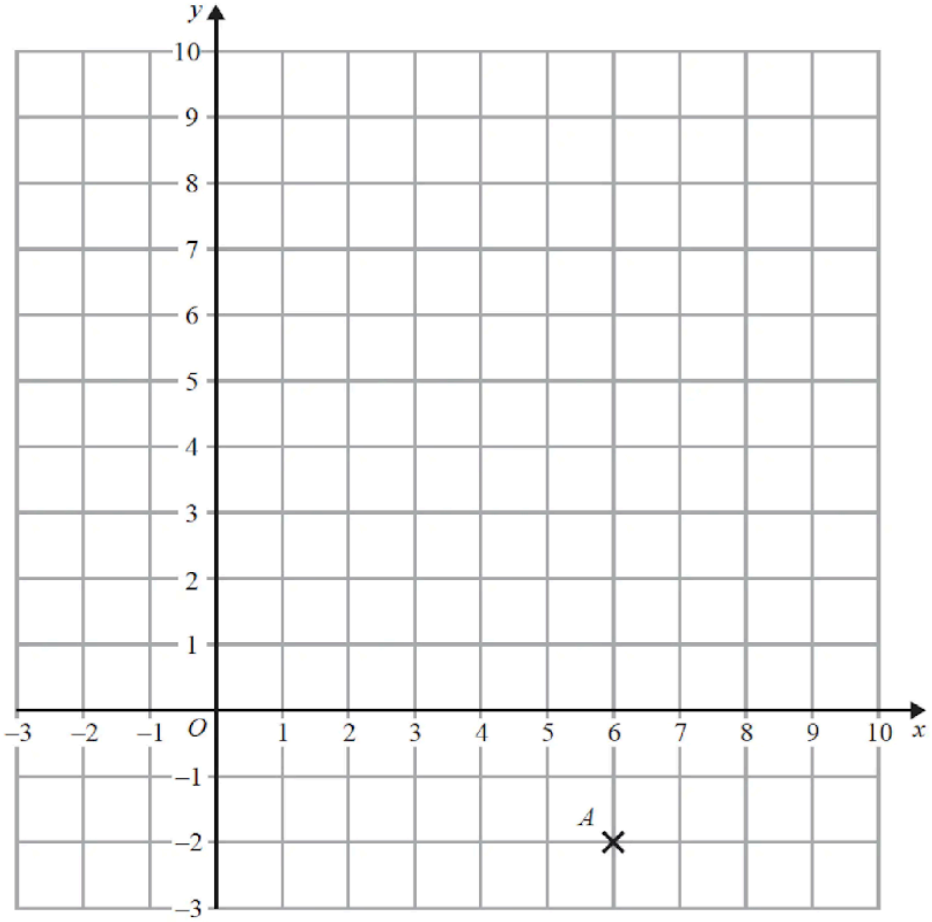
| GCSE (1 - 9)<br><br>Coordinates | Solutions: |
|---|---|

These questions represent all of the times that this topic has appeared in unlocked Pearson Edexcel GCSE maths papers as of July 2023. More questions can be found at examq.co.uk

| Question | Where the question appeared |
|---|---|
| 1 | Edexcel, GCSE, Autumn 2017, Paper 1F, Q7 |
| 2 | Edexcel, GCSE, Summer 2018, Paper 1F, Q24 |
| 3 | Edexcel, GCSE, Autumn 2018, Paper 1F, Q8 |
| 4 | Edexcel, GCSE, Autumn 2019, Paper 1F, Q10 |
| 5 | Edexcel, GCSE, Autumn 2020, Paper 1F, Q8 |
| 6 | Edexcel, GCSE, Summer 2022, Paper 2F, Q25 |
| 7 | Edexcel, GCSE, Summer 2022, Paper 2F, Q8 |
| 8 | Edexcel, GCSE, Summer 2023, Paper 1F, Q9 |
| 9 | Edexcel, GCSE, November 2022, Paper 1F, Q15 |
| 10 | Edexcel, GCSE, November 2022, Paper 2F, Q9 |
| 11 | Edexcel, GCSE, Summer 2022, Paper 2F, Q8 |
| | |

**Coordinates (Questions from Past Papers)**

**1**




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

(.....  ,  .....)

(1)

(b) (i) Plot the point with coordinates (2, 9).
Label this point $B$.

(1)

(ii) Does point $B$ lie on the straight line with equation $y = 4x + 1$?
You must show how you get your answer.

.....

.....

(1)

(c) On the grid, draw the line with equation $x = -2$

(1)

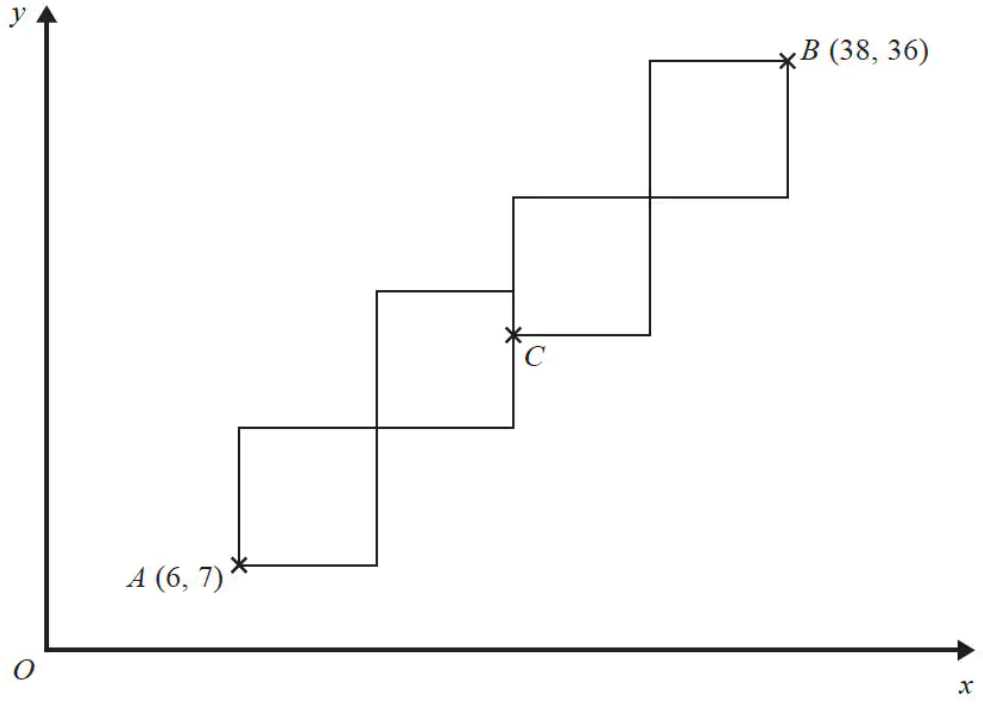
**(Total for Question 7 is 4 marks)**

*[Edexcel, GCSE, Autumn 2017, Paper 1F, Q7]*

**2**

A pattern is made from four identical squares.

The sides of the squares are parallel to the axes.




Point $A$ has coordinates (6, 7)
Point $B$ has coordinates (38, 36)
Point $C$ is marked on the diagram.

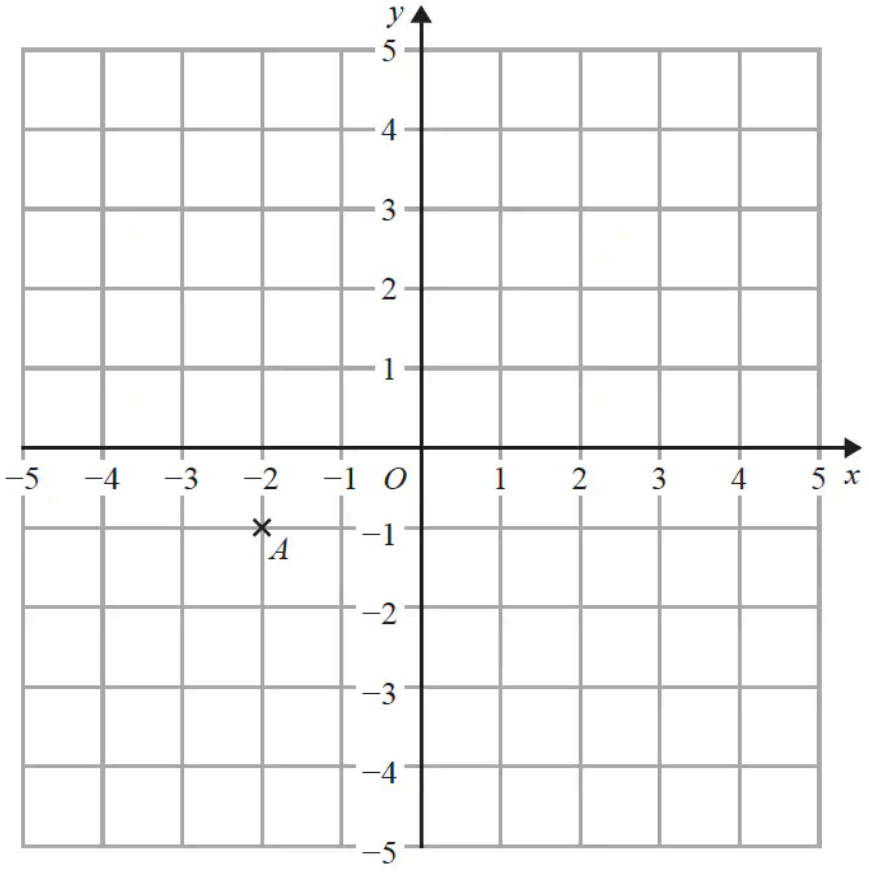
Work out the coordinates of $C$.

(..... , .....)

**(Total for Question 24 is 5 marks)**

*[Edexcel, GCSE, Summer 2018, Paper 1F, Q24]*

**3**




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

(..... , .....)

**(1)**

(b) On the grid, mark with a cross (×) the point (2, 3)
Label this point $B$.

**(1)**

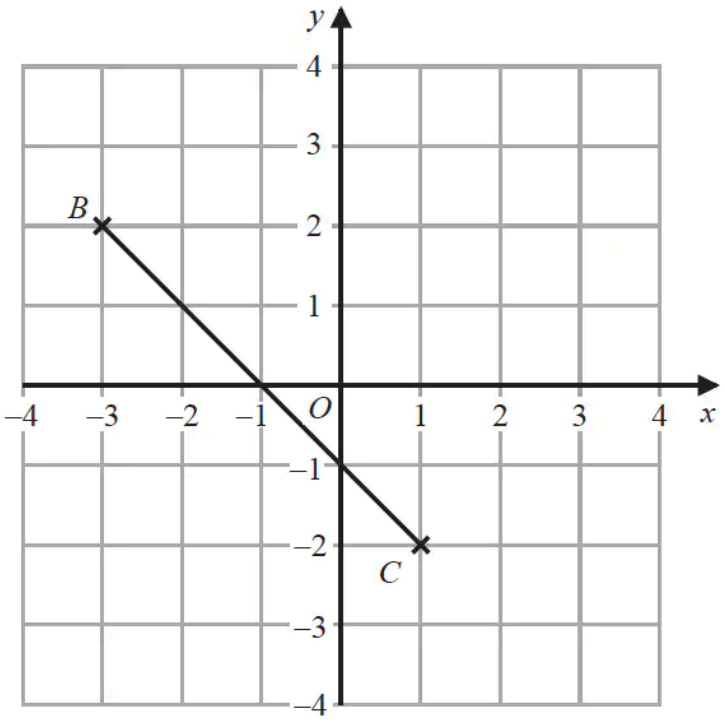
(c) On the grid, draw the line with equation $x = -4$

**(1)**

**(Total for Question 8 is 3 marks)**

*[Edexcel, GCSE, Autumn 2018, Paper 1F, Q8]*

**4**




(a) Plot the point with coordinates (3, 2)
Label this point $A$.

**(1)**

(b) Write down the coordinates of the midpoint of $BC$.

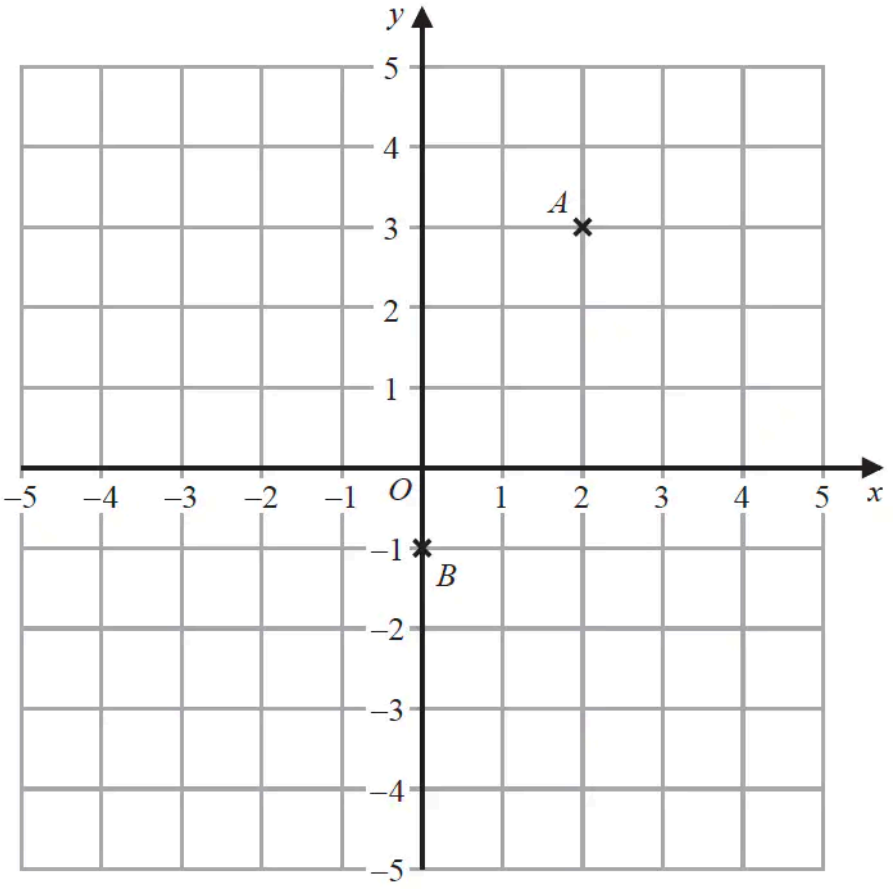
(..... , .....)

**(1)**

**(Total for Question 10 is 2 marks)**

*[Edexcel, GCSE, Autumn 2019, Paper 1F, Q10]*

**5**




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

(.....,.....)

**(1)**

(b) Write down the coordinates of the point $B$.

(.....,.....)

**(1)**

(c) On the grid, mark with a cross (X) the point (–2, 1)
Label this point $C$.

**(1)**

**(Total for Question 8 is 3 marks)**

*[Edexcel, GCSE, Autumn 2020, Paper 1F, Q8]*

**6**

The points $L$, $M$ and $N$ are such that $LMN$ is a straight line.

The coordinates of $L$ are $(-3, 1)$

The coordinates of $M$ are $(4, 9)$

Given that $LM : MN = 2 : 3$,

find the coordinates of $N$.

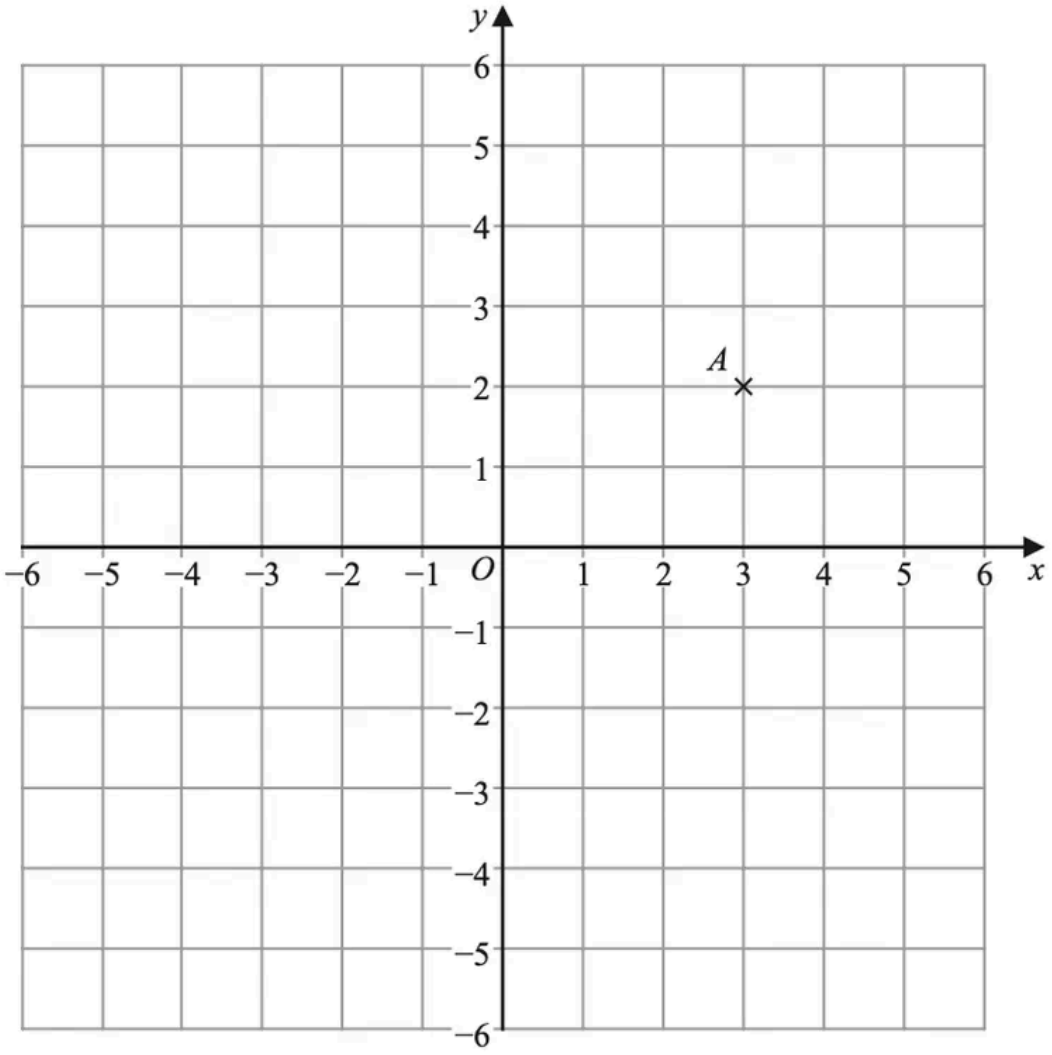
(..... , .....)

**(Total for Question 25 is 4 marks)**

*[Edexcel, GCSE, Summer 2022, Paper 2F, Q25]*

**7**

Here is a centimetre grid.




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

(.....  , .....)

**(1)**

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

**(1)**

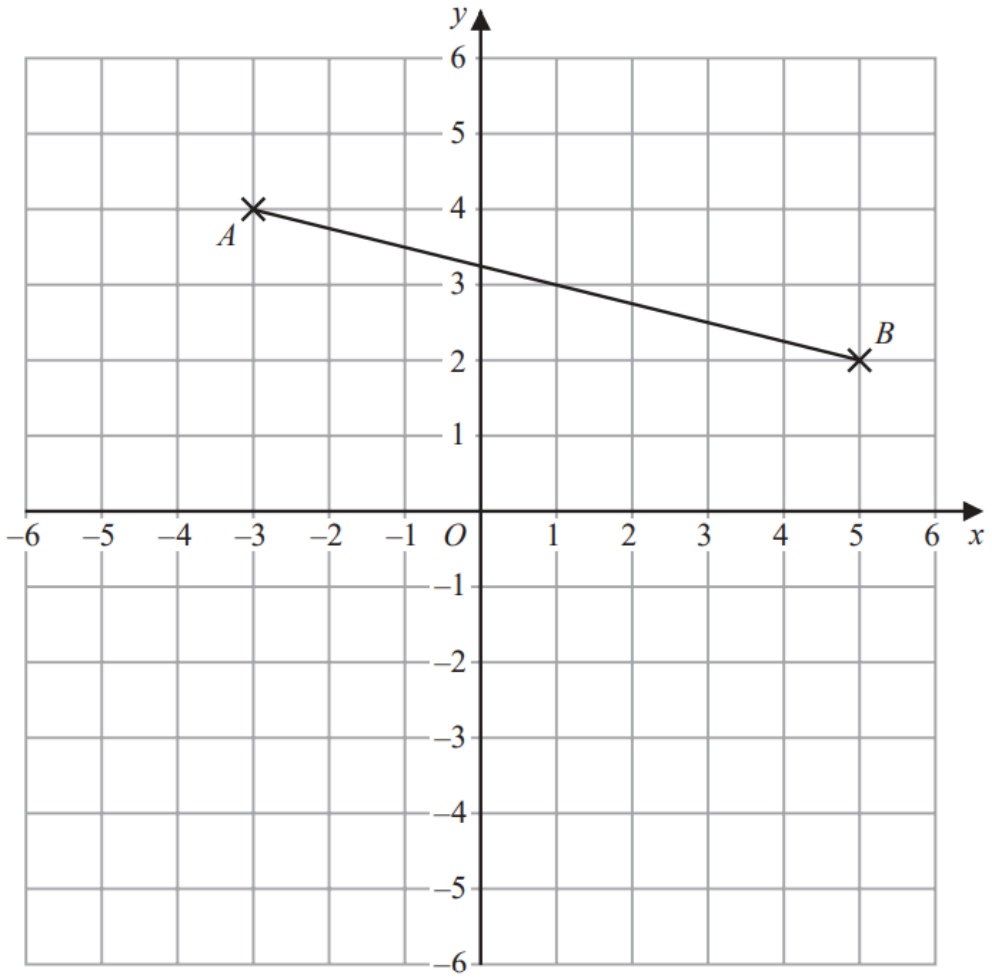
(c) On the grid, draw the circle with
centre (1, −1)
and radius 4 cm.

**(2)**

**(Total for Question 8 is 4 marks)**

*[Edexcel, GCSE, Summer 2022, Paper 2F, Q8]*

**8**




a) Write down the coordinates of point $B$.

(..... , .....)

**(1)**

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

**(1)**

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

(..... , .....)

**(1)**

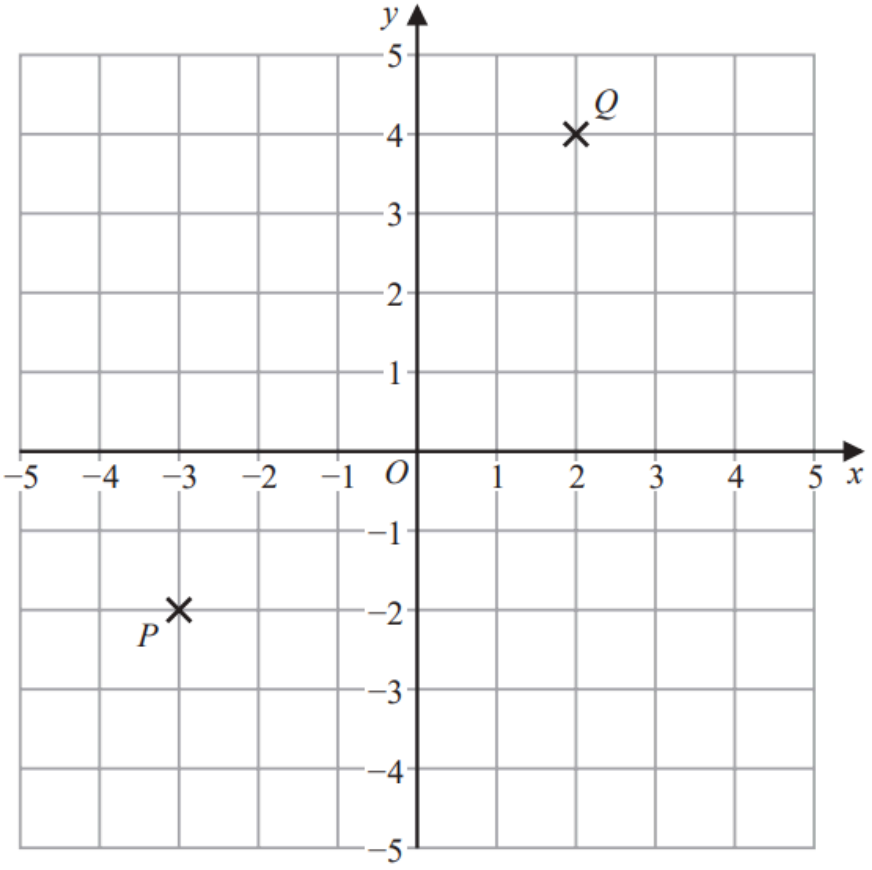
(d) Draw the line with equation $y = -4$

**(1)**

**(Total for Question 9 is 4 marks)**

*[Edexcel, GCSE, Summer 2023, Paper 1F, Q9]*

**9**



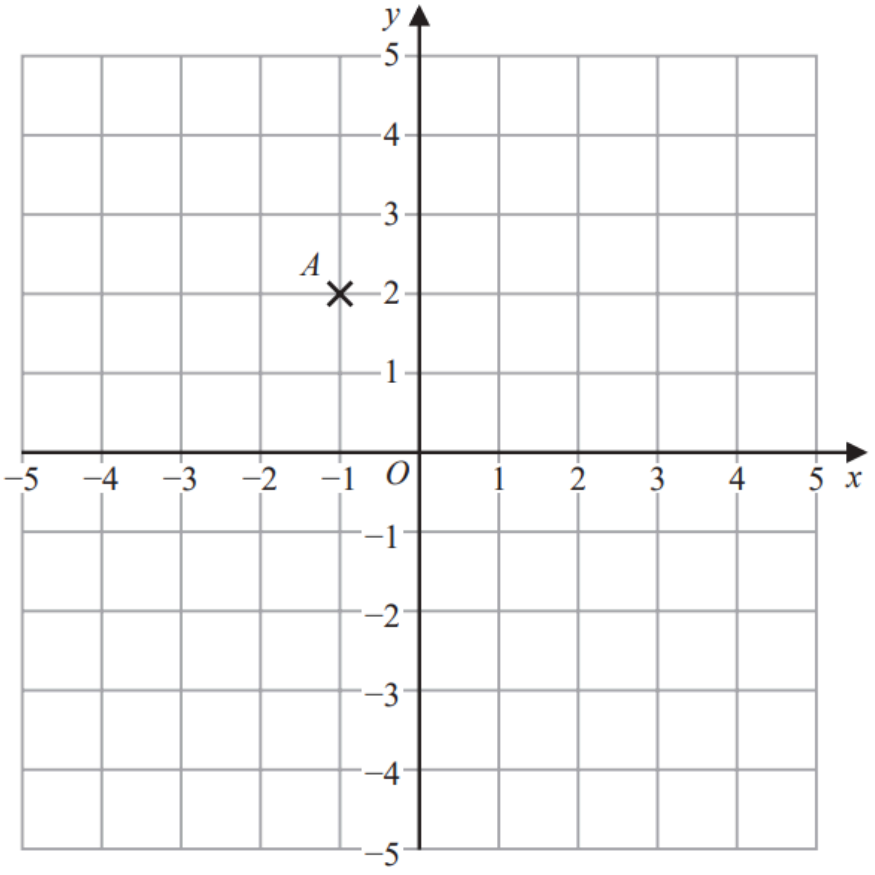

Find the coordinates of the midpoint of $PQ$.

( ..... , ..... )

**(Total for Question 15 is 2 marks)**

*[Edexcel, GCSE, November 2022, Paper 1F, Q15]*

**10**




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

( ..... , ..... )

**(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 $y = -3$

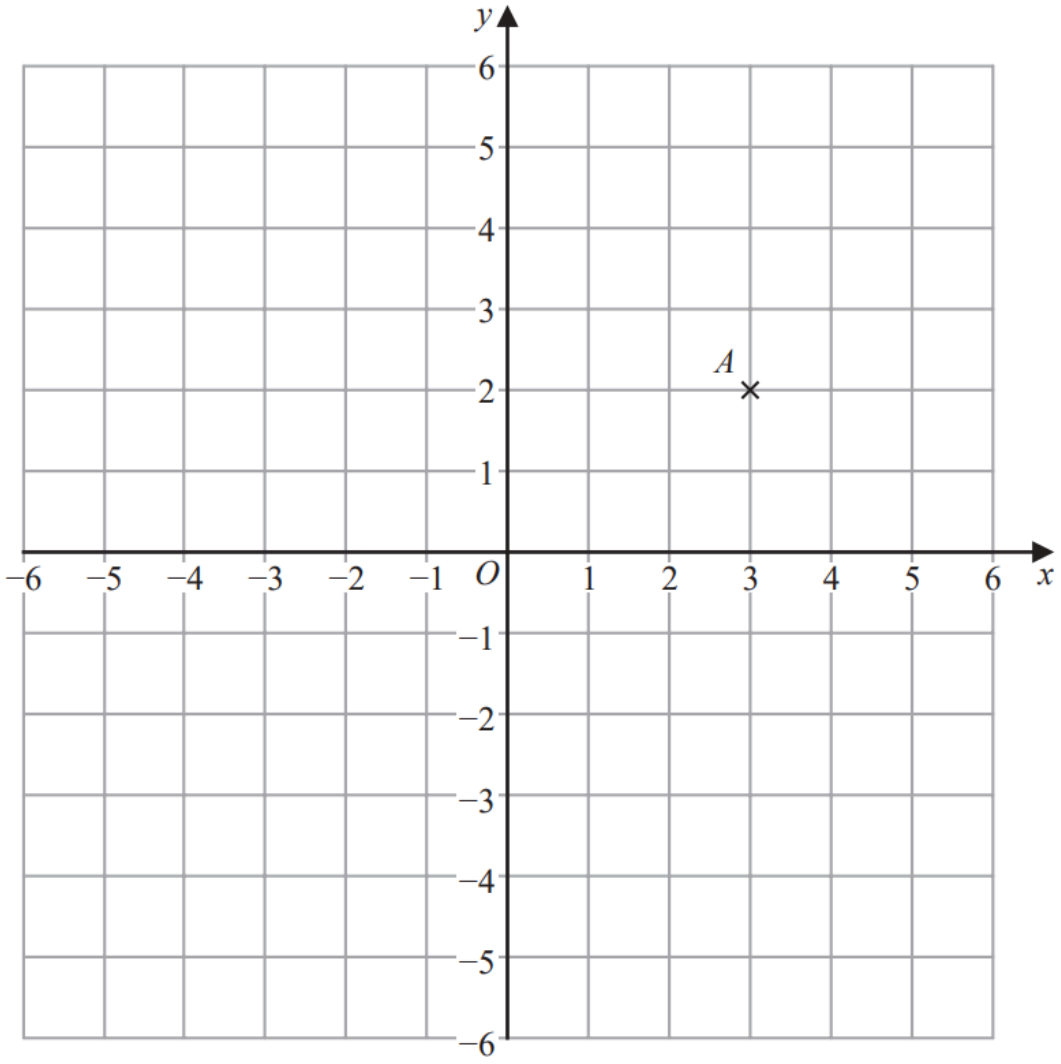
**(1)**

**(Total for Question 9 is 3 marks)**

*[Edexcel, GCSE, November 2022, Paper 2F, Q9]*

**11**

Here is a centimetre grid.




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

(..... , .....)

**(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 8 is 4 marks)**

*[Edexcel, GCSE, Summer 2022, Paper 2F, Q8]*