



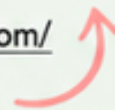
JP Maths

Revision



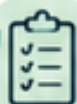
Attempt the paper
before watching the
solutions!

[https://www.youtube.com/
@JPMathsRevision](https://www.youtube.com/@JPMathsRevision)



FOUNDATION TIER

Coordinates



INSTRUCTIONS

- Use **black ink** or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided – *there may be more space than you need.*
- You must **show all your working.**
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- If your calculator does not have a π button, take the value of π to be 3.142 unless the question instructs otherwise.



INFORMATION

- The marks for **each** question are shown in brackets– *use this as a guide as to how much time to spend on each question.*



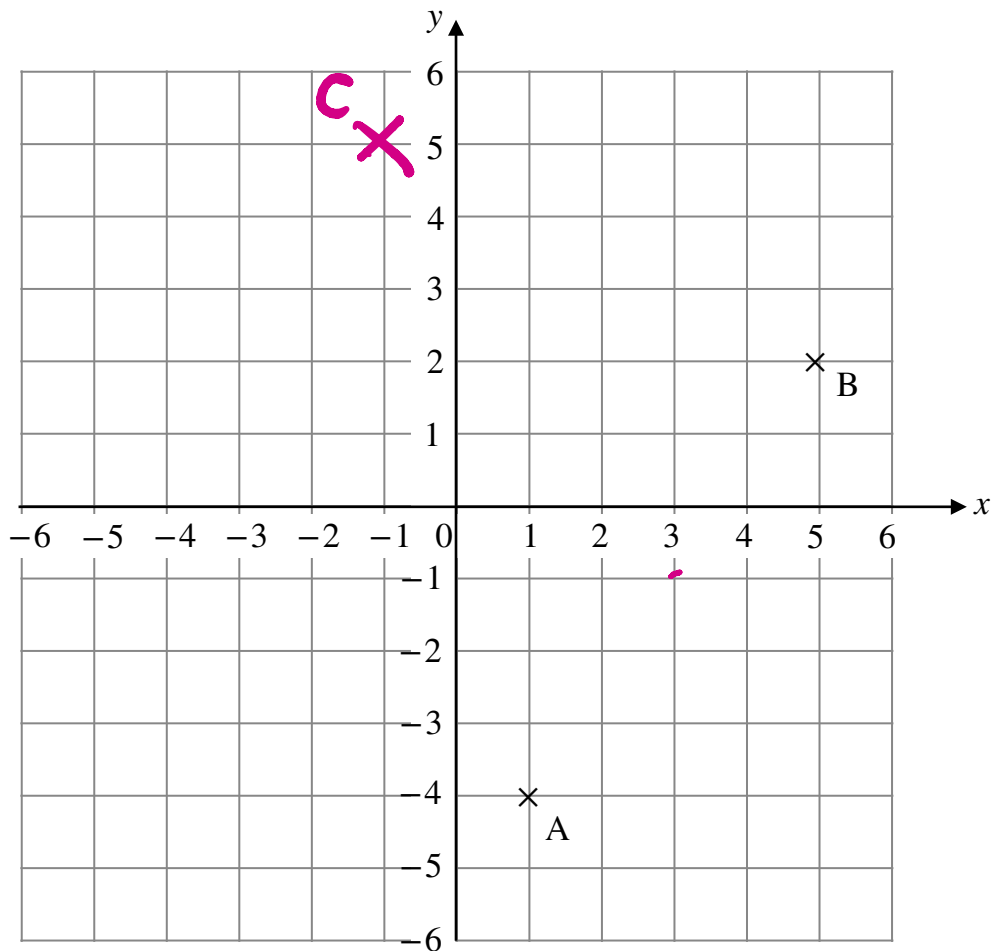
ADVICE

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.



You've got this!

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



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

$(1, -4)$
.....
(1)

- (b) Write down the coordinates of the midpoint of AB.

$(3, -1)$
.....
(2)

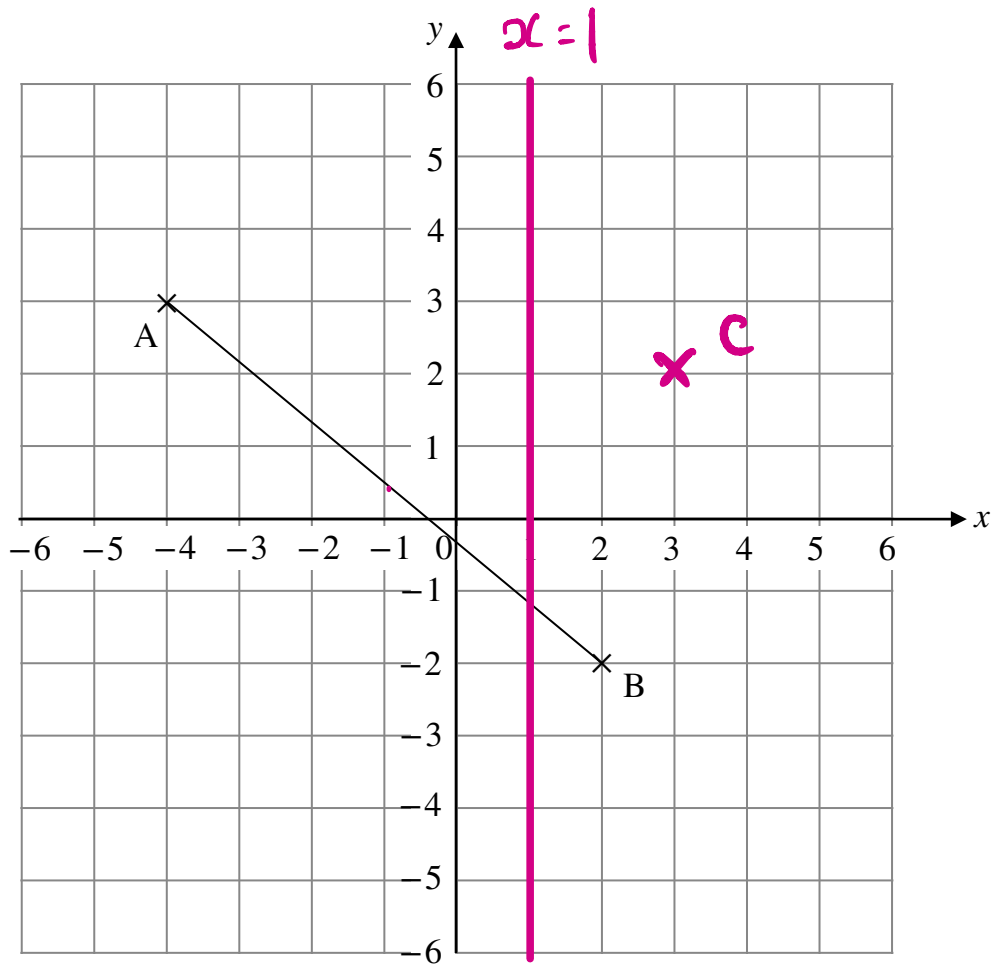
- (c) On the grid, mark with a cross (×) the point with coordinates $(-1, 5)$.

Label this point C.

(1)

(Total for Question 1 is 4 marks)

2.



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

$(-4, 3)$
(1)

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

$(-1, 0.5)$
(1)

(c) On the grid, mark with a cross (×) the point with coordinates (3, 2).

Label this point C.

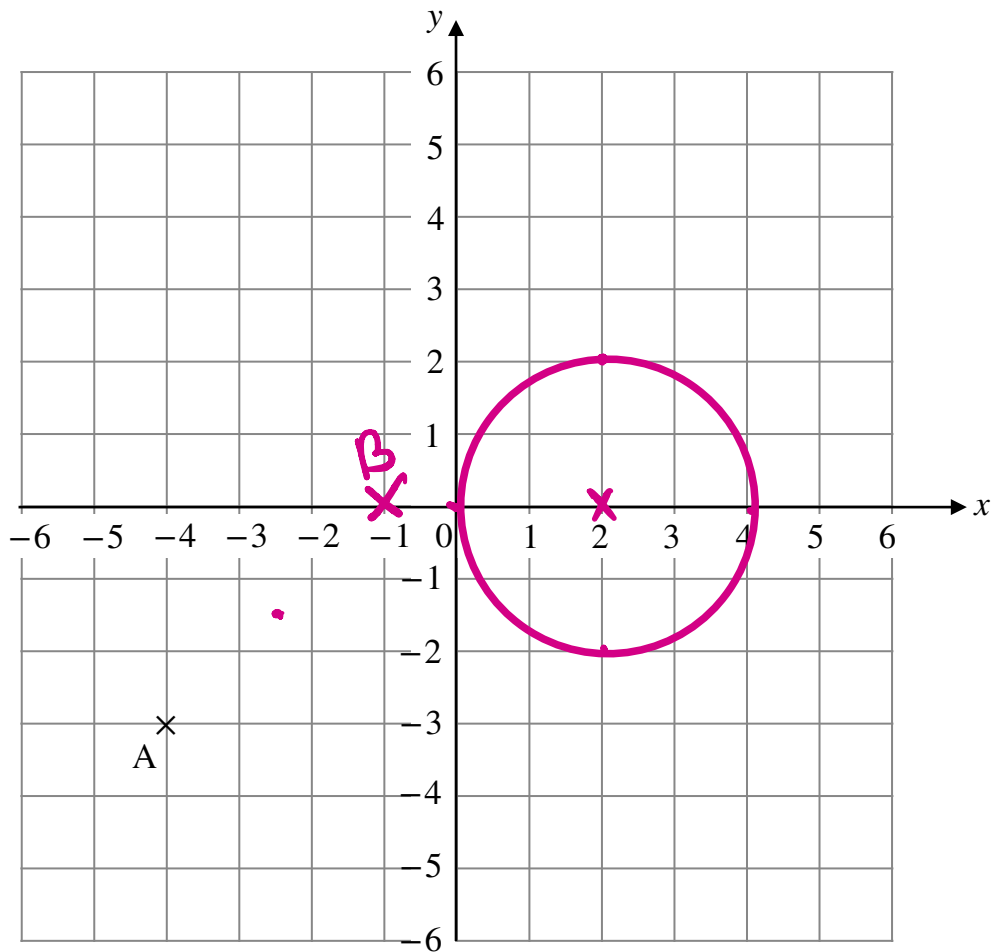
(1)

(d) Draw the line with equation $x = 1$.

(1)

(Total for Question 2 is 4 marks)

3.



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

$(-4, -3)$

(1)

(b) On the grid, mark with a cross (×) the point with coordinates $(-1, 0)$.

Label this point B.

(1)

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

$(-2.5, -1.5)$

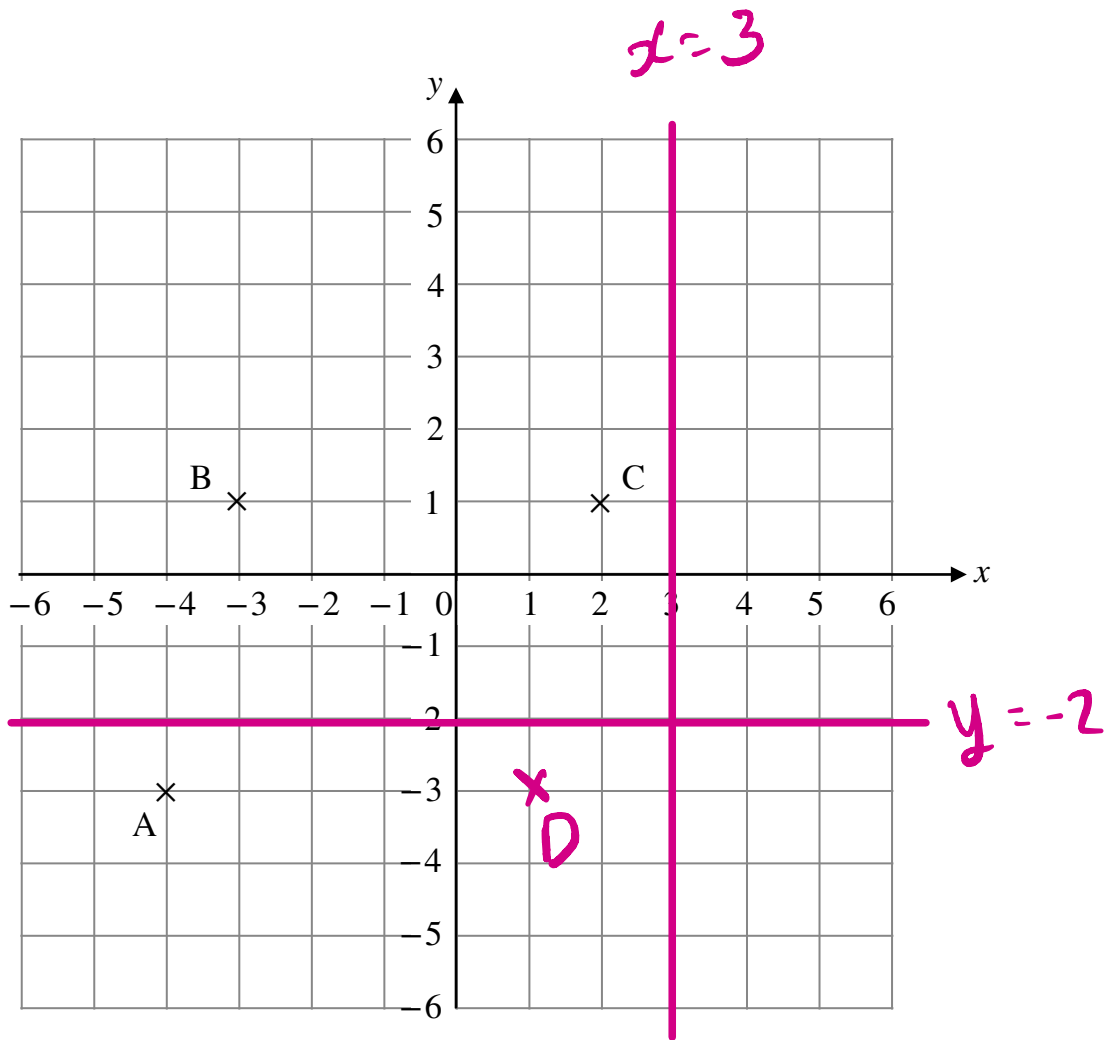
(1)

(d) On the grid, draw a circle with centre $(2, 0)$ and radius 2 cm.

(2)

(Total for Question 3 is 5 marks)

4.



(a) Draw the line with equation $x = 3$

(1)

(b) Draw the line with equation $y = -2$

(1)

(c) On the grid, mark with a cross (×) the point D such that ABCD is a parallelogram.

(1)

(Total for Question 4 is 3 marks)