



JP Maths

Revision



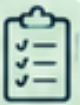
Attempt the paper
before watching the
solutions!

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



FOUNDATION / HIGHER TIER

Plotting Linear Graphs



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! ❤️

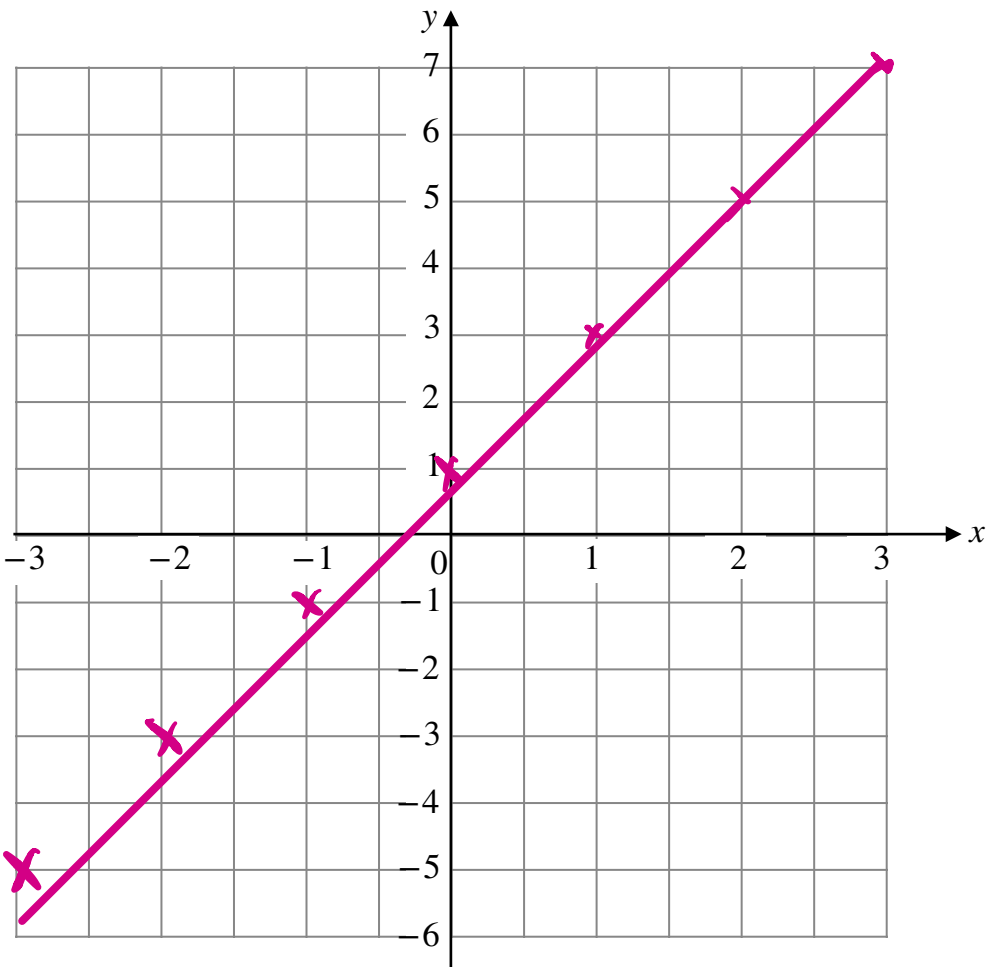
1. (a) Complete the table of values for $y = 2x + 1$.

x	-3	-2	-1	0	1	2	3
y	-5	-3	-1	1	3	5	7

$2(-3)+1$ $2(-1)+1$

(2)

(b) On the grid, draw the graph of $y = 3x - 4$ for values of x from -3 to 3



(2)

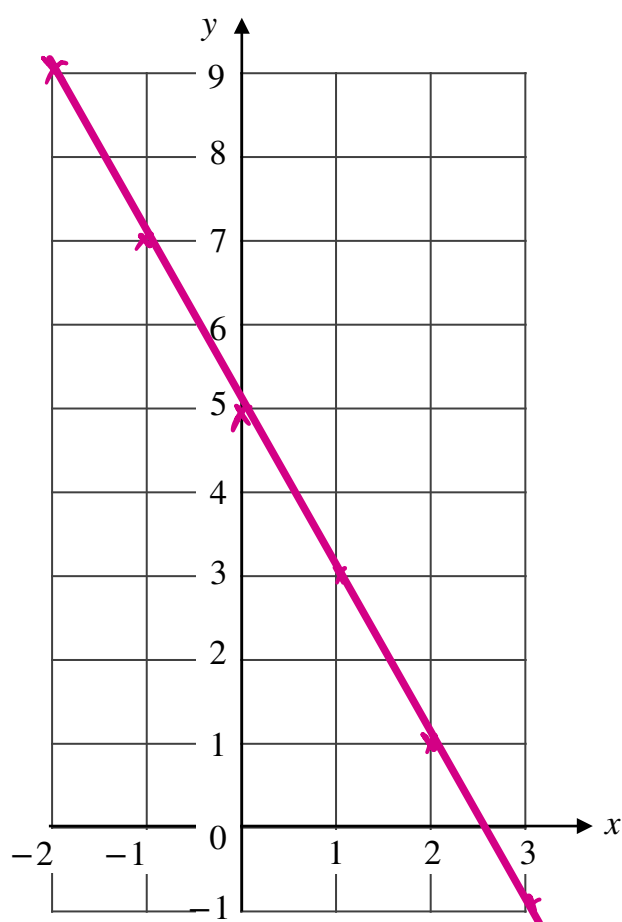
2. (a) Complete the table of values for $y = -2x + 5$.

x	-2	-1	0	1	2	3
y	9	7	5	3	1	-1

$$-2(-2) + 5$$

(2)

- (b) On the grid, draw the graph of $y = -2x + 5$ for values of x from -2 to 3

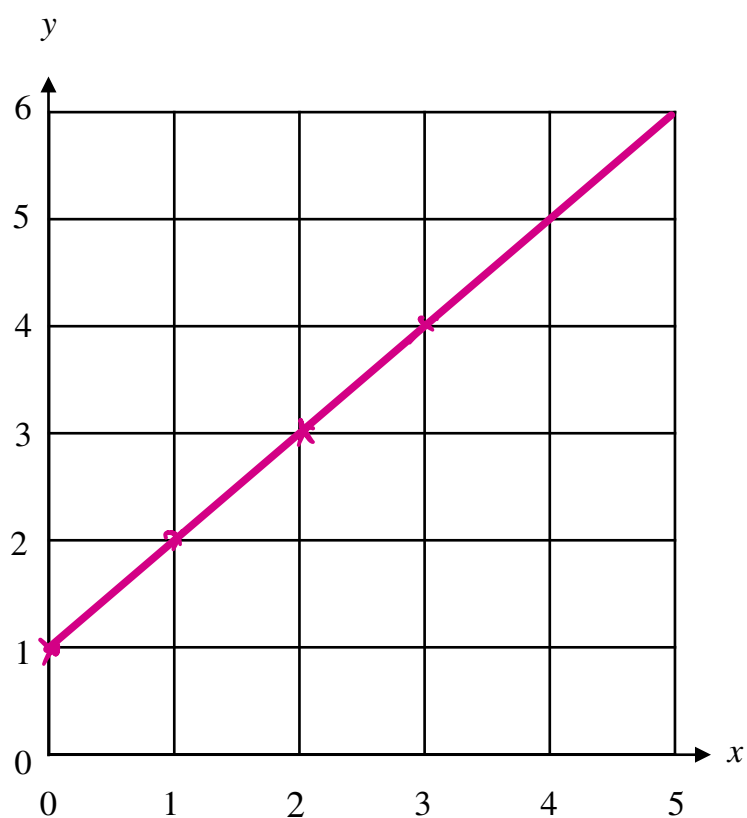


(2)

(Total for Question 2 is 4 marks)

3. On the grid below, draw the graph of $y = x + 1$ for values of x from 0 to 5.

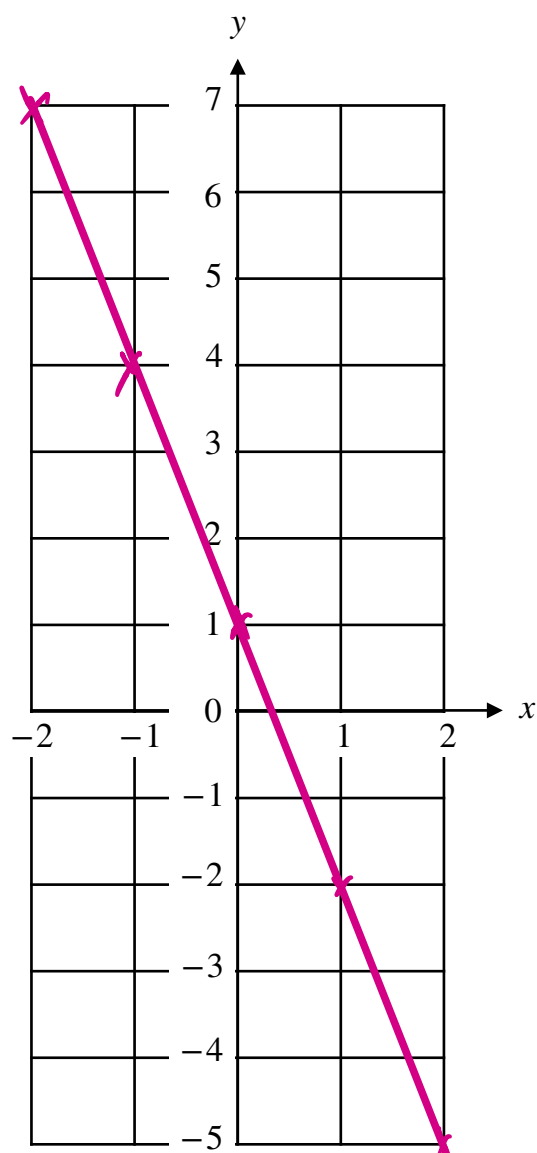
x	0	1	2	3	4	5
y	1	2	3	4	5	6



(Total for Question 3 is 2 marks)

4. On the grid below, draw the graph of $y = -3x + 1$ for values of x from -2 to 2.

x	-2	-1	0	1	2
y	7	4	1	-2	-5



(Total for Question 4 is 3 marks)