



Bishops Online Tutoring



Education Consultancy

Edexcel GCSE Mathematics STRAIGHT LINE GRAPHS

Materials Required:

- Pen
- HB Pencil
- Ruler (in centimetres and millimetres)
- Protractor
- Compass

Information:

- The marks allocated for each question are displayed within brackets – utilise this information to gauge the appropriate amount of time to dedicate to each question
- Questions marked with an asterisk (*) will assess your written communication; be careful of spelling, punctuation and grammar with these questions

Instructions:

- Use a black ink pen to answer all questions
- Fill your name in the section below
- Answer the questions in the spaces provided
- Show your working out for all answers

Advice:

- Carefully read the question before attempting to answer it
- Be vary of time and try to answer every question
- If you have enough time in the end, go back and check your answers. A good way to check your answers is to retry the question with the hope of getting the same answer as before without looking at your working out from before

NO CALCULATOR ALLOWED

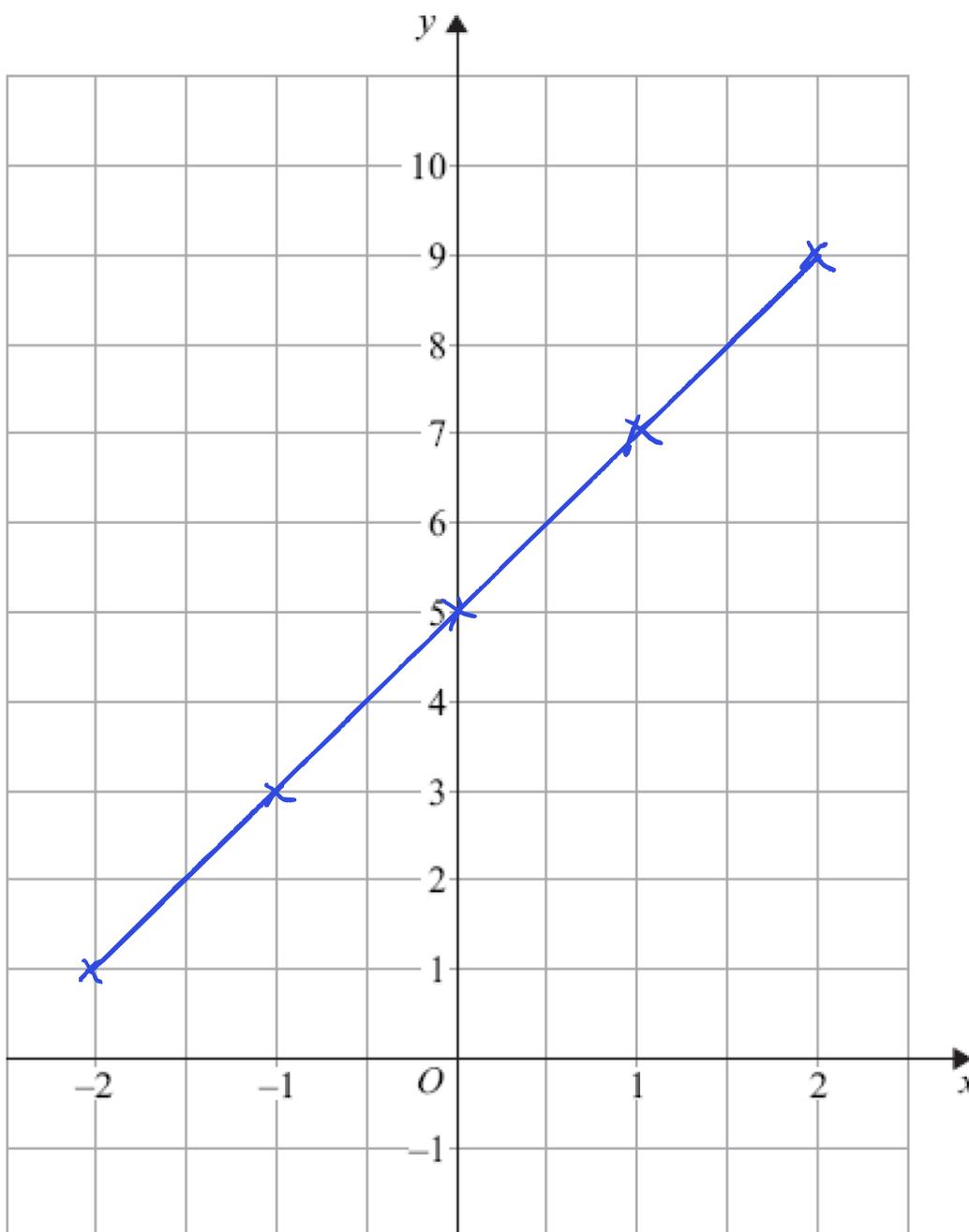
NAME:

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

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

(2)

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



(2)

(4 marks)

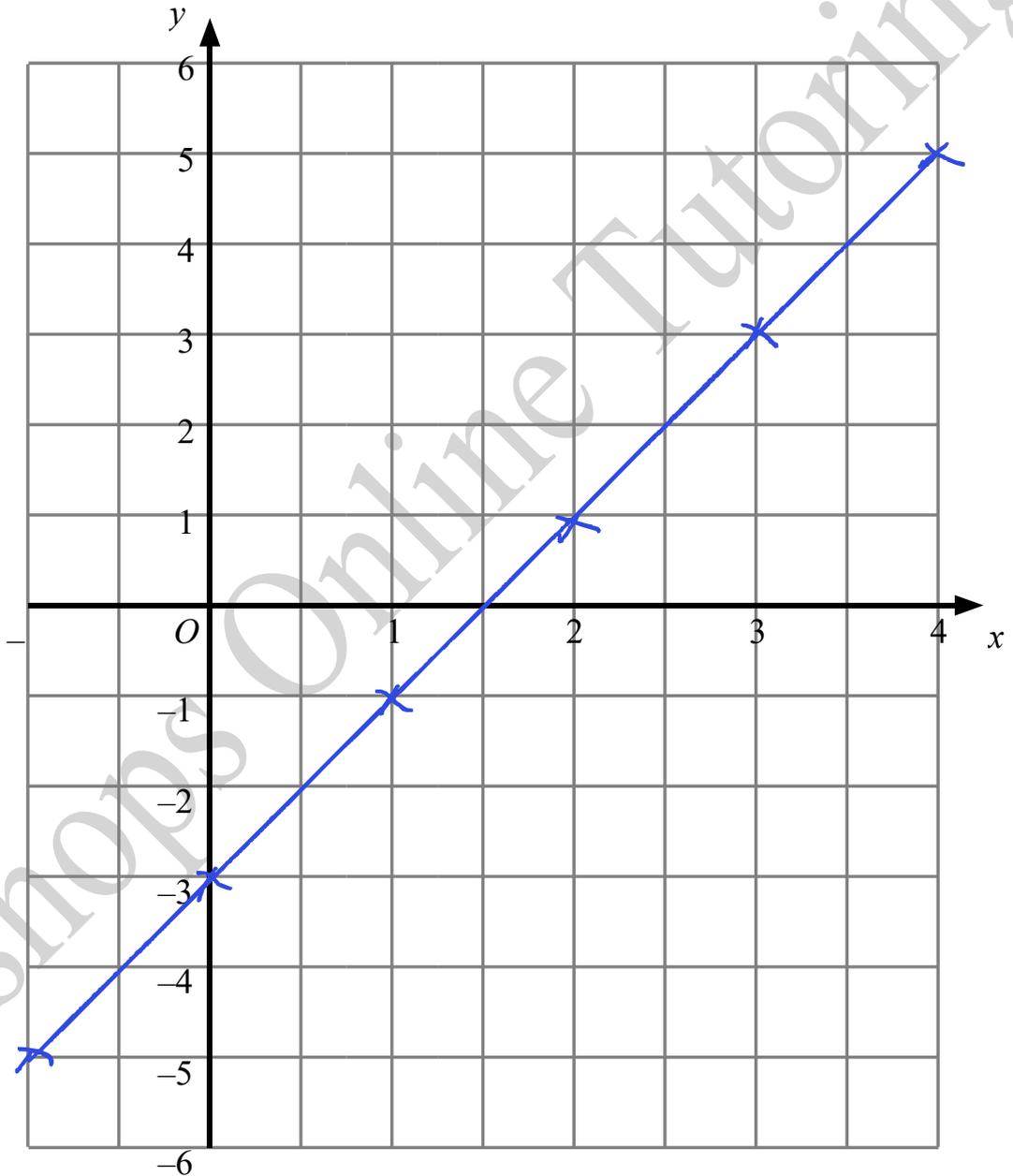
2.

(a) Complete the table of values for $y = 2x - 3$

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

(2)

(b) On the grid, draw the graph of $y = 2x - 3$



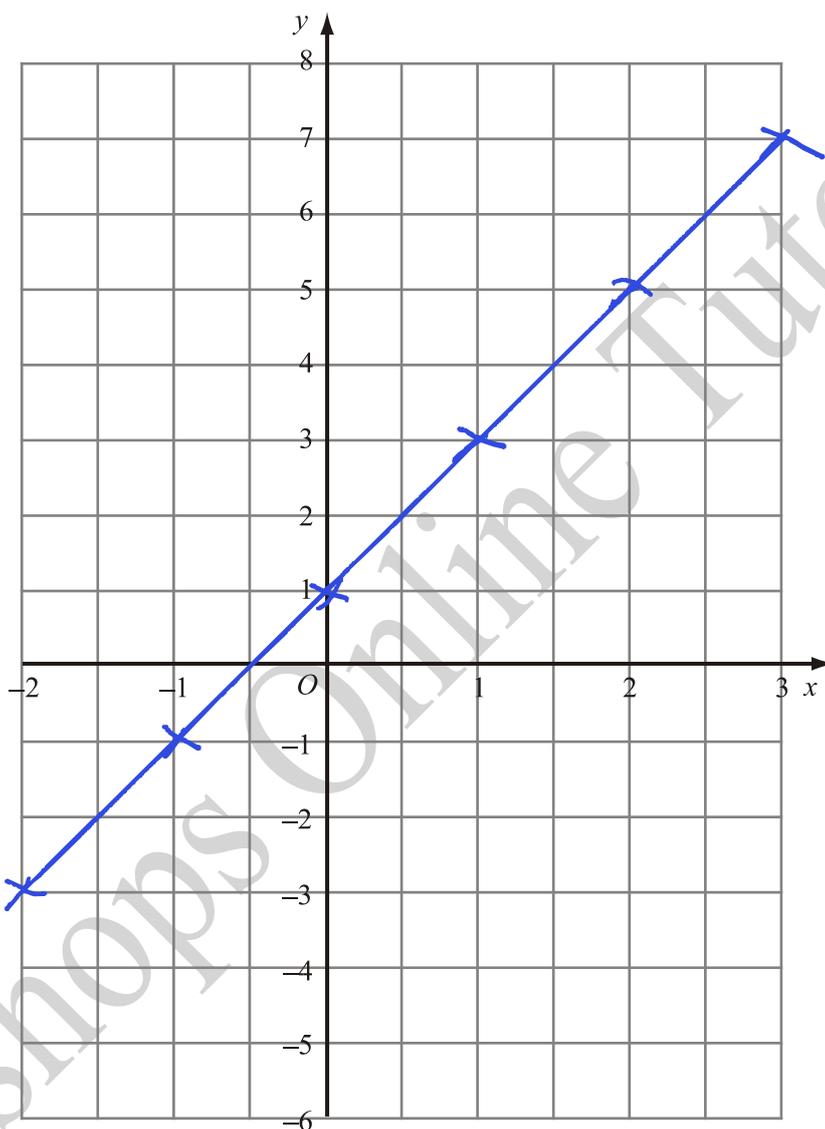
(2)

(4 marks)

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

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

(b) On the grid, draw the graph of $y = 2x + 1$



(c) Use your graph to find

(i) the value of y when $x = -1.5$

$$y = \dots -2 \dots$$

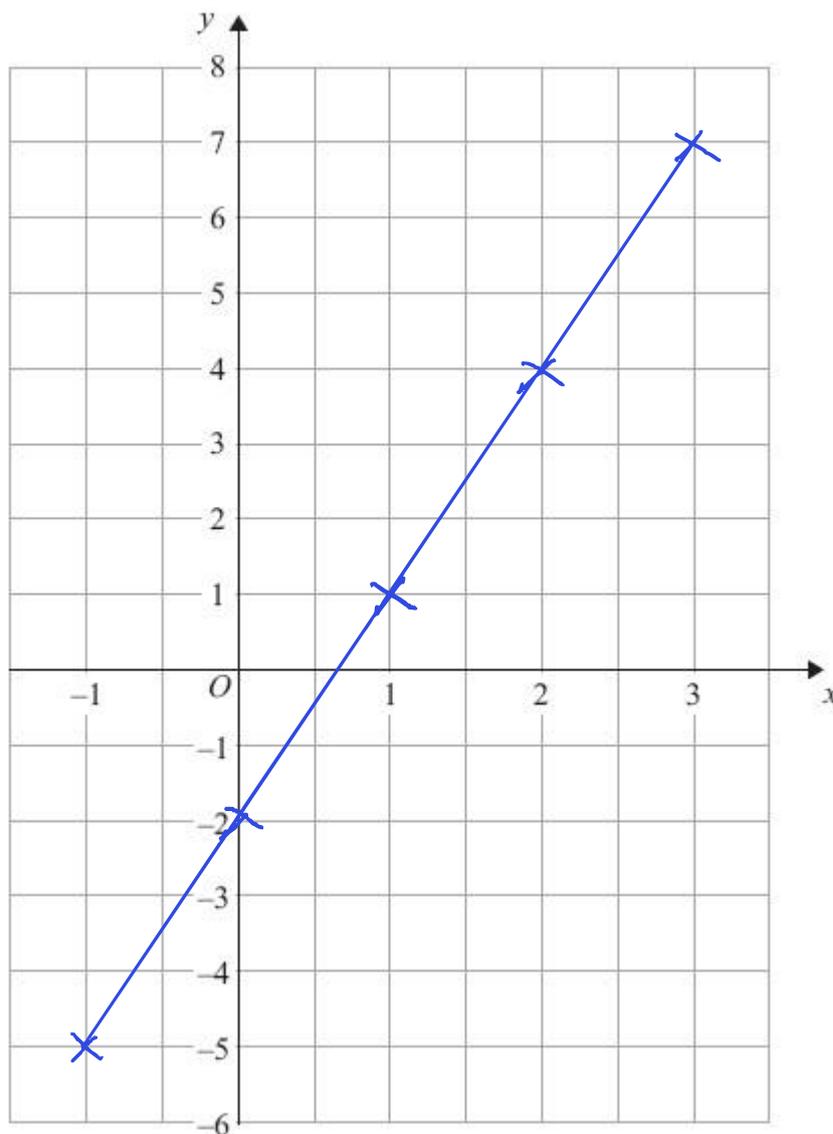
(ii) the value of x when $y = 6$

$$x = \dots 2.5 \dots$$

(2)
(6marks)

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

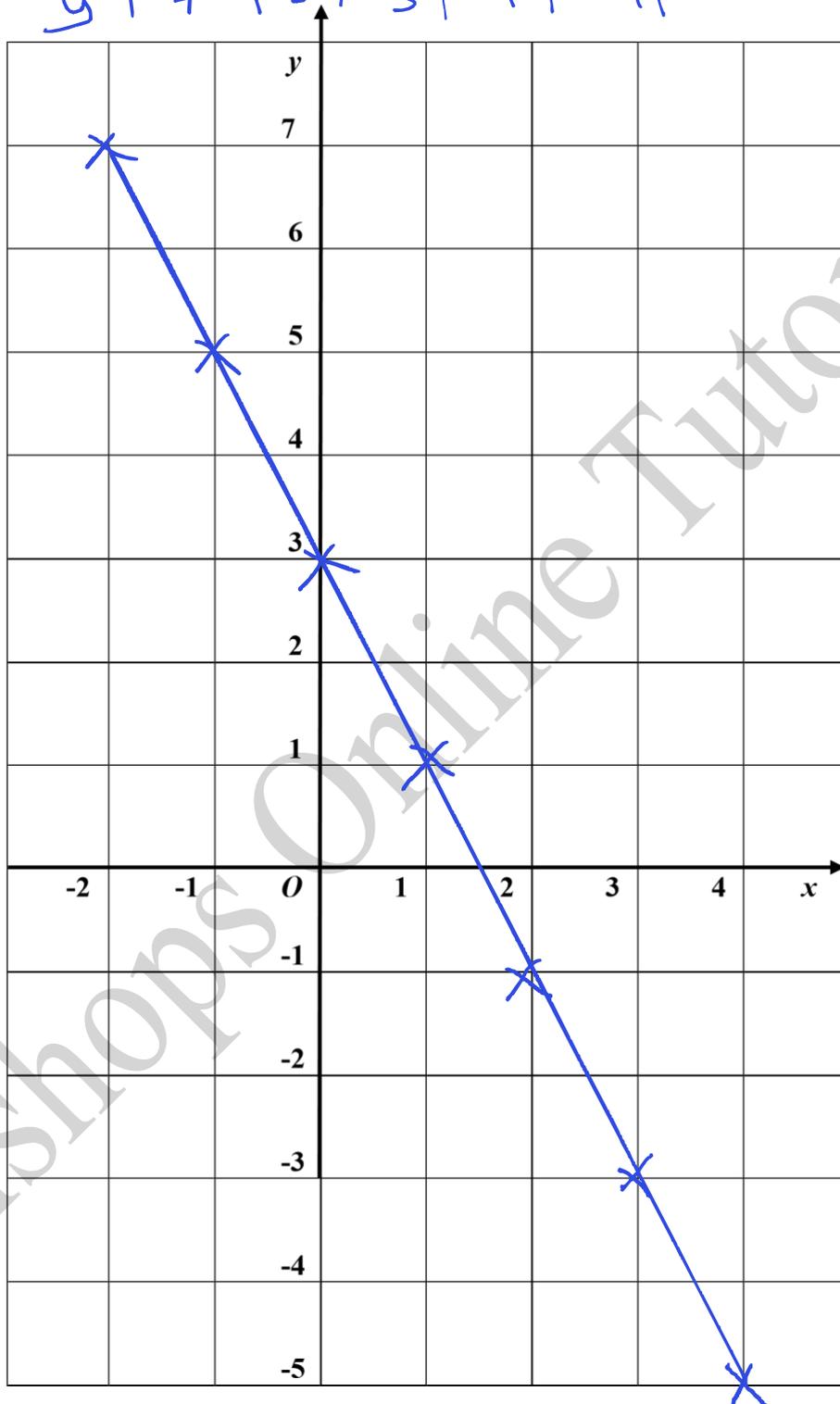
x	-1	0	1	2	3
y	-5	-2	1	4	7



(4 marks)

5. On the grid, draw the graph of $y = 3 - 2x$ from $x = -2$ to $x = 4$

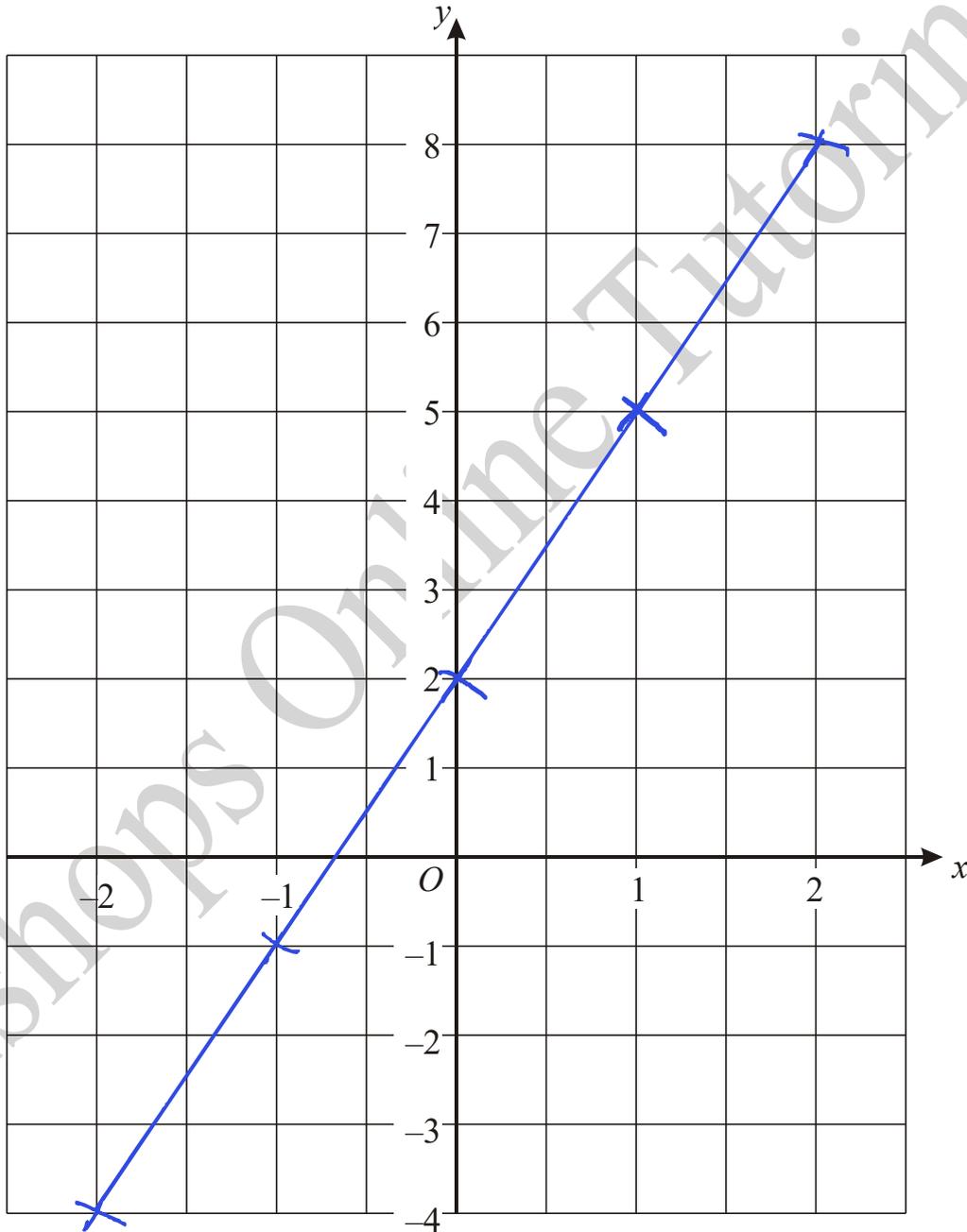
x	-2	-1	0	1	2	3	4
y	7	5	3	1	-1	-3	-5



(4 marks)

6. On the grid, draw the graph of $y = 3x + 2$

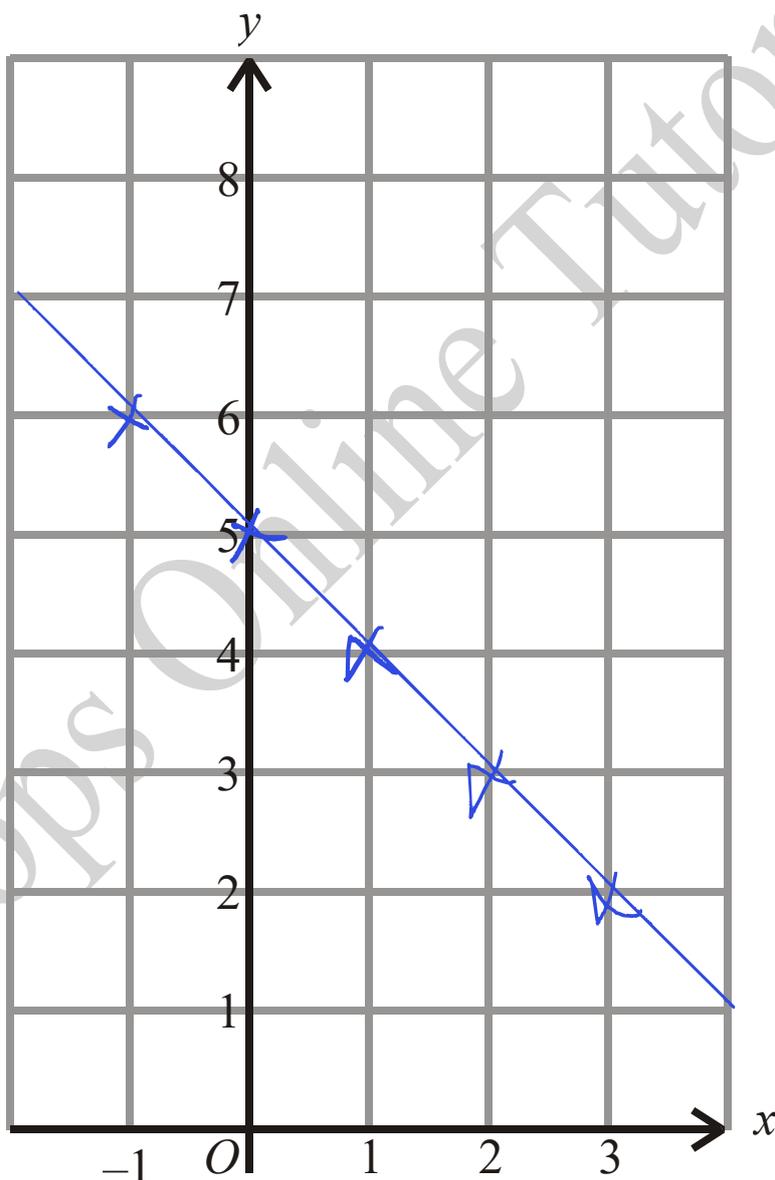
x	-2	-1	0	1	2
y	-4	-1	2	5	8



(4)
(4 marks)

7. On the grid, draw the graph of $x + y = 5$

x	-1	0	1	2
y	6	5	4	3



(4)
(4 marks)