

# Algebra - Straight Line Graphs

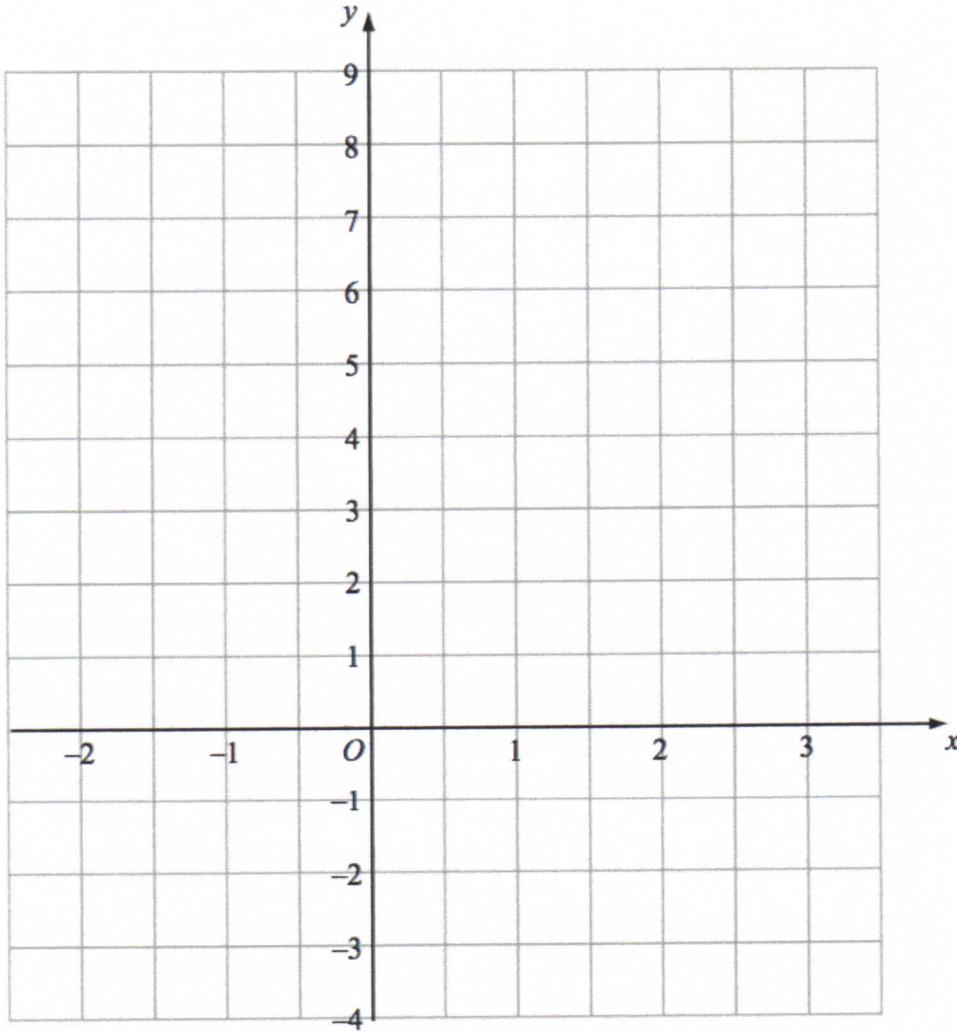
**Q1**

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

$x$	-2	-1	0	1	2	3
$y$		0	2			

(2)

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



(2)

- (c) Use your graph to find

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

$$y = \dots$$

- (ii) the value of  $x$  when  $y = 7$

$$x = \dots$$

(2)

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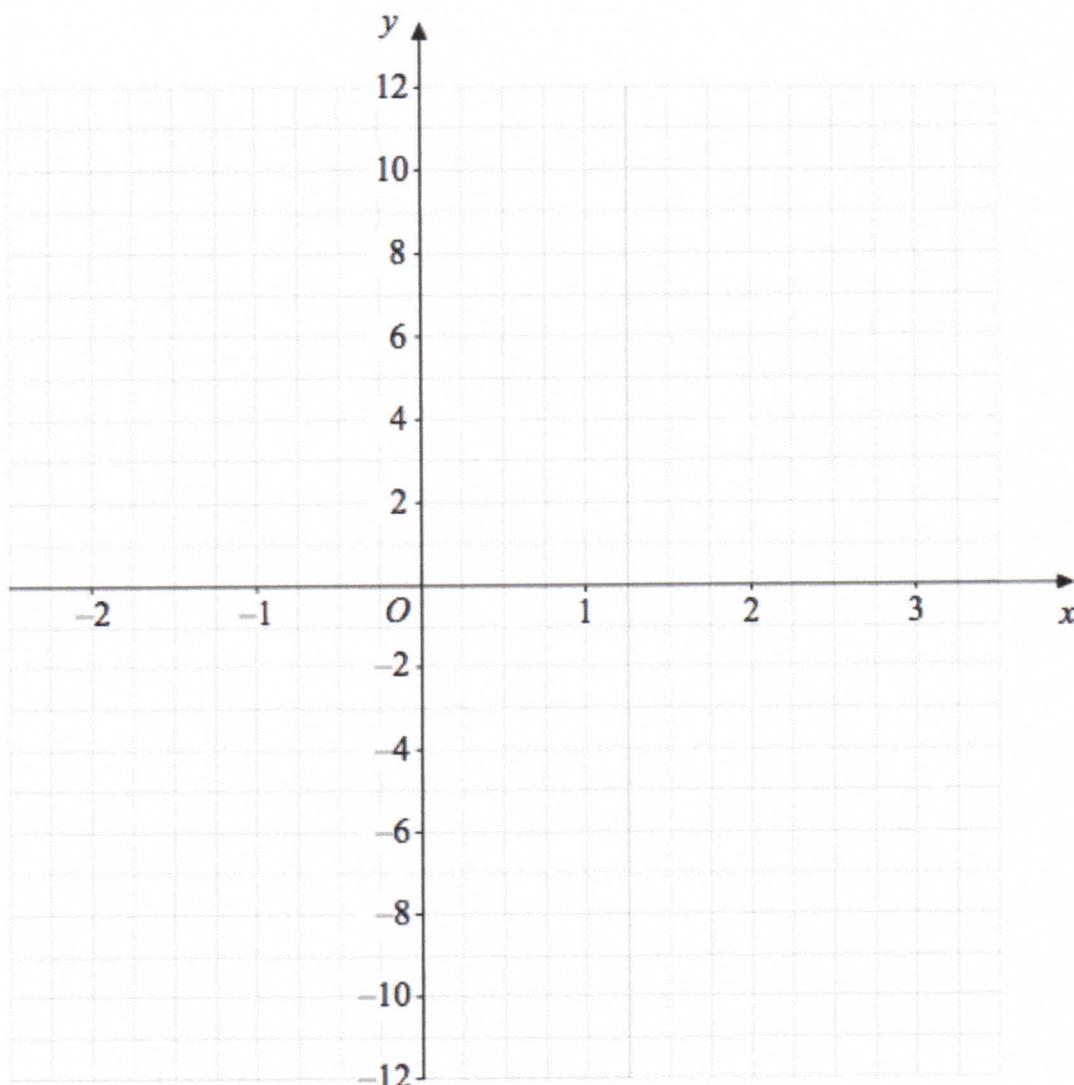
Q2

- (a) Complete the table of values for  $y = 4x - 3$

$x$	-2	-1	0	1	2	3
$y$	-11		-3			9

(2)

- (b) On the grid, draw the graph of  $y = 4x - 3$ , for values of  $x$  from -2 to 3



(2)

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Q1

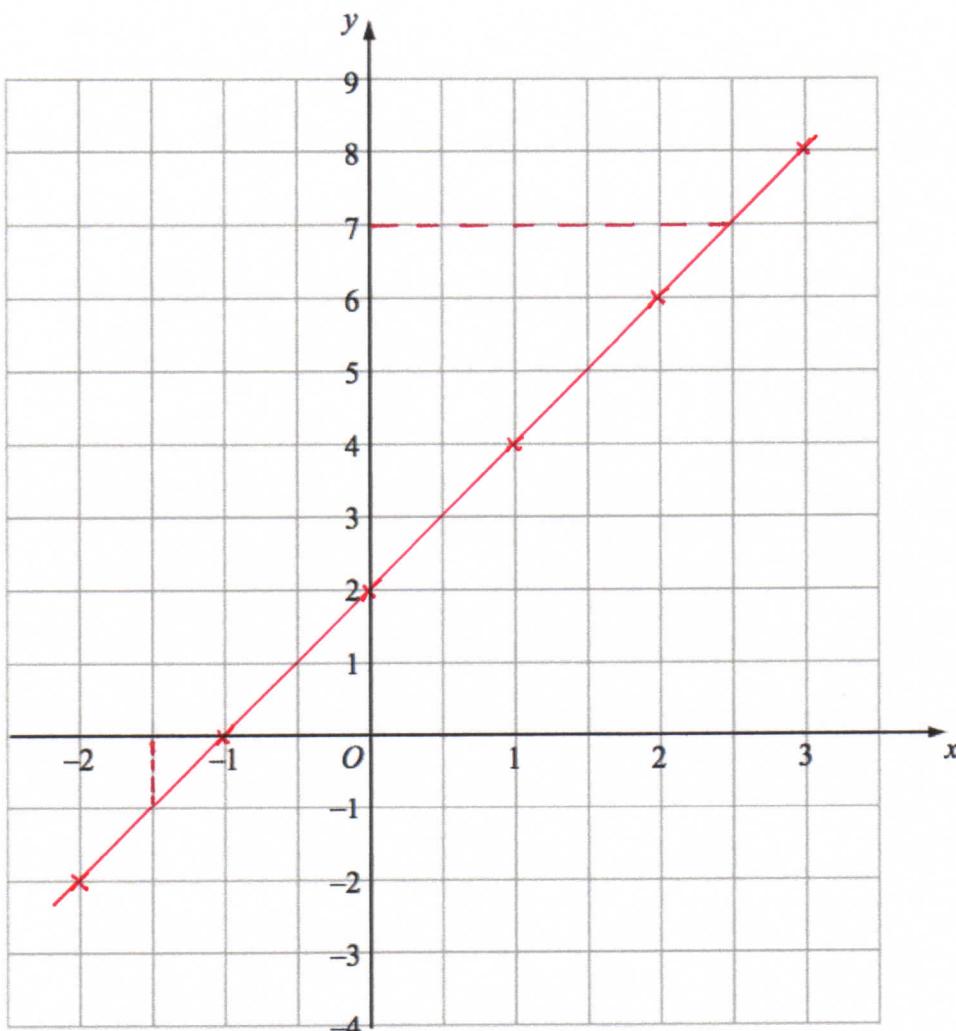
- (a) Complete the table of values for  $y = 2x + 2$

$x$	-2	-1	0	1	2	3
$y$	-2	0	2	4	6	8

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

(2)

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



(2)

- (c) Use your graph to find

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

$$y = \dots$$

- 1

- (ii) the value of  $x$  when  $y = 7$

$$x = \dots$$

$2\frac{1}{2}$

(2)

## Algebra - Straight Line Graphs

Q2

- (a) Complete the table of values for  $y = 4x - 3$

$x$	-2	-1	0	1	2	3
$y$	-11	-7	-3	1	5	9

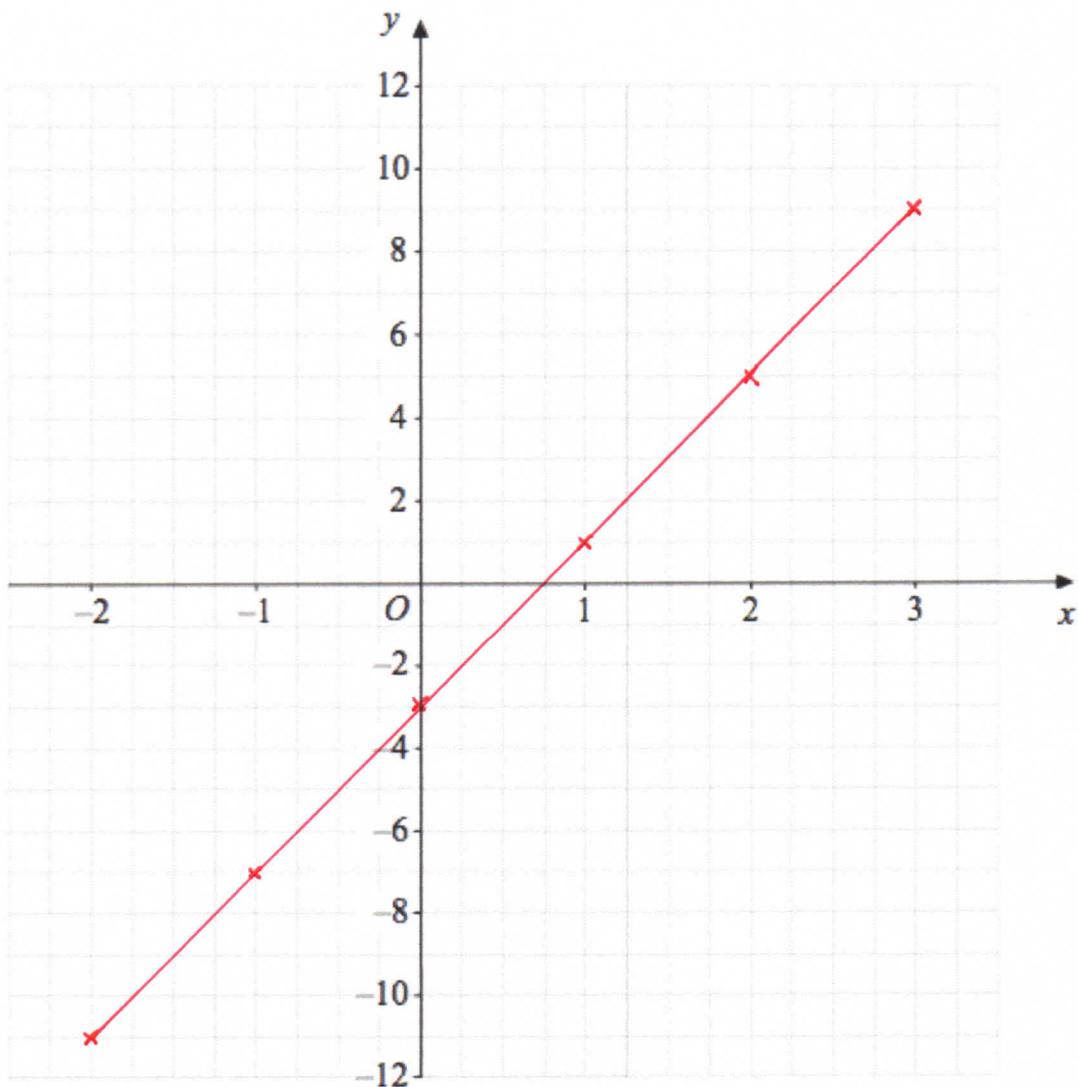
$$4(-1) - 3$$

$$4(1) - 3$$

$$4(2) - 3$$

(2)

- (b) On the grid, draw the graph of  $y = 4x - 3$ , for values of  $x$  from -2 to 3



(2)