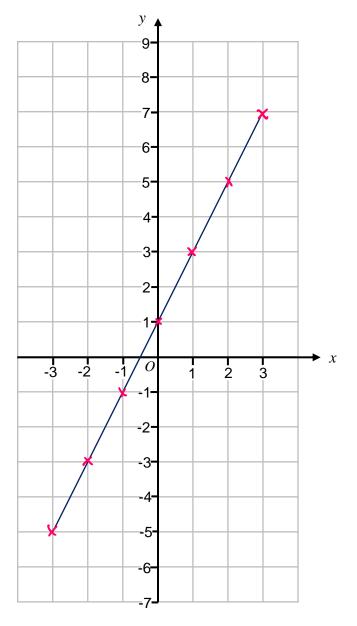


Straight Line Graphs



REVISE THIS TOPIC

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

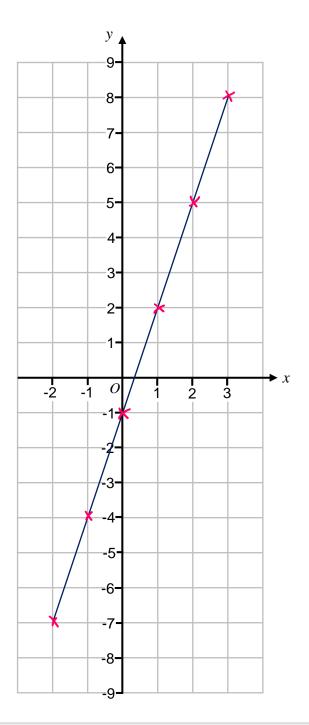






2 On the grid, draw the graph of y = 3x - 1 for values of x from to -2 to 3

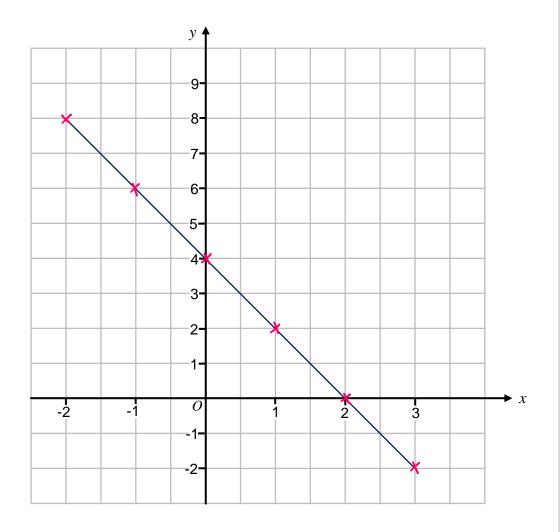




3 On the grid, draw the graph of y = 4 - 2x for values of x from to -2 to 3

[3 marks]

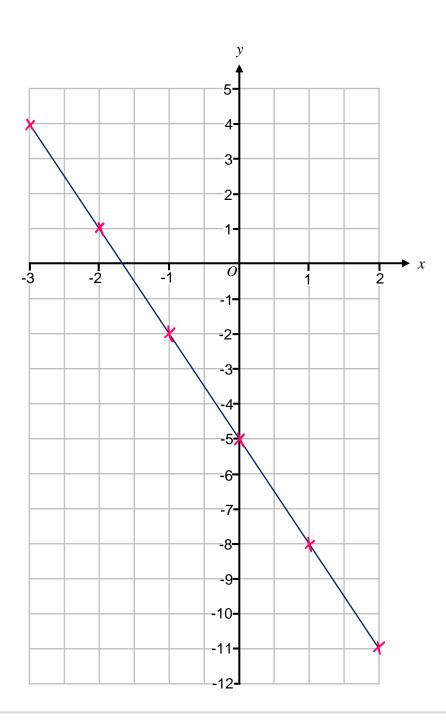




1st

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

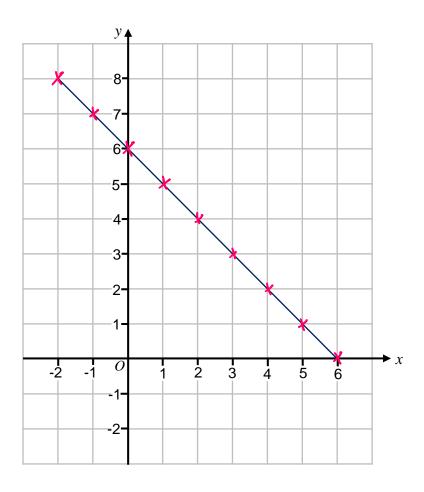




5 On the grid, draw the graph of x + y = 6 for values of x from to -2 to 6

[3 marks]

	-2								
9	8	7	6	5	4	3	2	(0

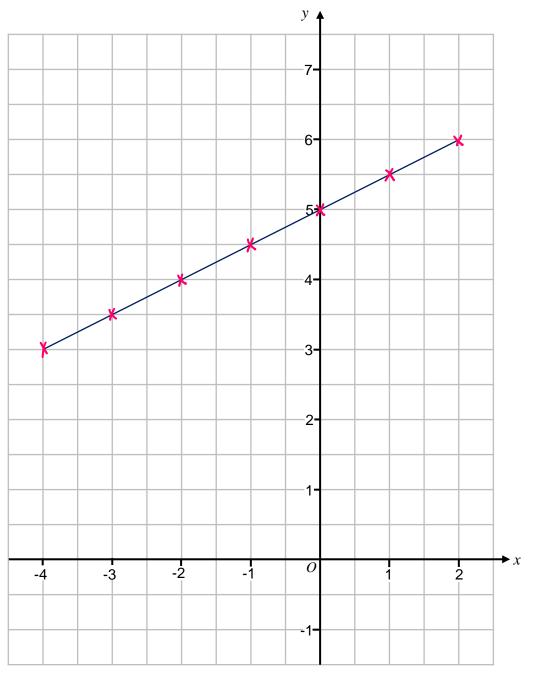


1st

6

6 On the grid, draw the graph of $y = \frac{1}{2}x + 5$ for values of x from to -4 to 2

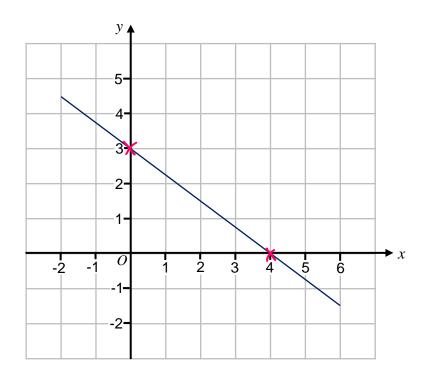
				– J			
3	3	3.5	4	4.5	5	2.2	6



7 On the grid, draw the graph of 3x + 4y = 12 for values of x from to -2 to 6

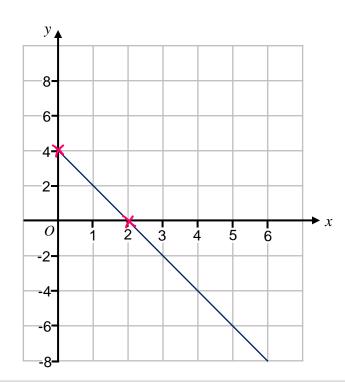
[3 marks]

$$4y = 12$$
 $y = 3$
 $(0,3)$



8 On the grid, draw the graph of 4x + 2y = 8 for values of x from to 0 to 6

[3 marks]

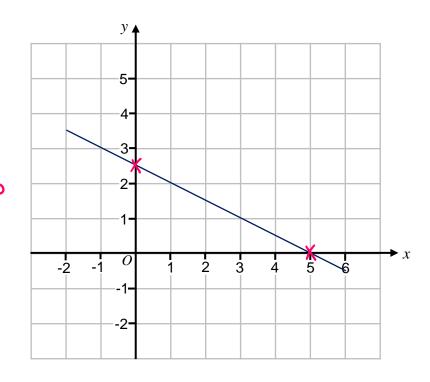




9 On the grid, draw the graph of x + 2y = 5 for values of x from to -2 to 6

[3 marks]

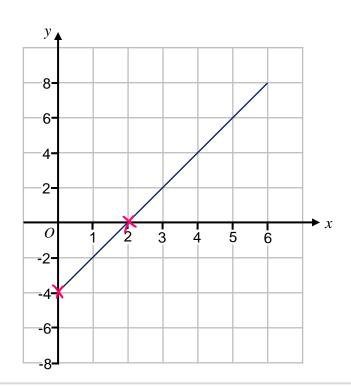
x=5 (5,0) 2y=5 2y=2



On the grid, draw the graph of 2x - y = 4 for values of x from to 0 to 6

[3 marks]

25c=4 x=2 (710) -y=4 (01-4)

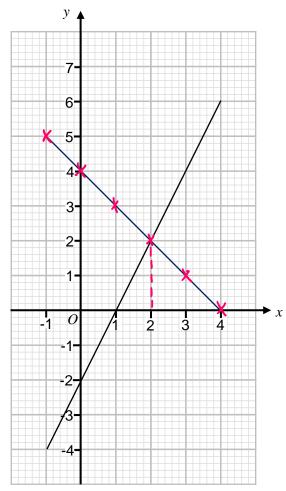


11 The graph of y = 2x - 2 for x values from -1 to 4 is shown on the grid.

11 (a) On the grid, draw the graph of y = 4 - x for x values from -1 to 4

[3 marks]





11 (b) Use your graph to solve 4 - x = 2x - 2

$$4 - x = 2x - 2$$

[1 mark]

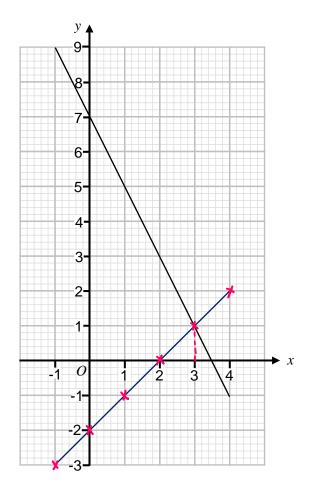




- The graph of y = 7 2x for x values from -1 to 4 is shown on the grid.
- **12 (a)** On the grid, draw the graph of y = x 2 for x values from -1 to 4

[3 marks]





12 (b) Use your graph to solve x - 2 = 7 - 2x

[1 mark]



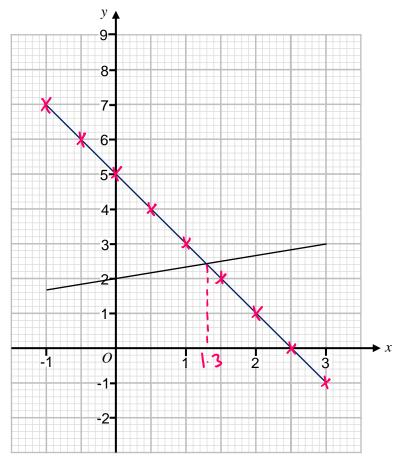


 $y = \frac{1}{3}x + 2$ for x values from -1 to 3 is shown on the grid. The graph of 13

13 (a) On the grid, draw the graph of y = 5 - 2x for x values from -1 to 3

[3 marks]





13 (b) Use your graph to find an approximate solution to $\frac{1}{3}x + 2 = 5 - 2x$ [1 mark] Give your answer as a decimal.



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