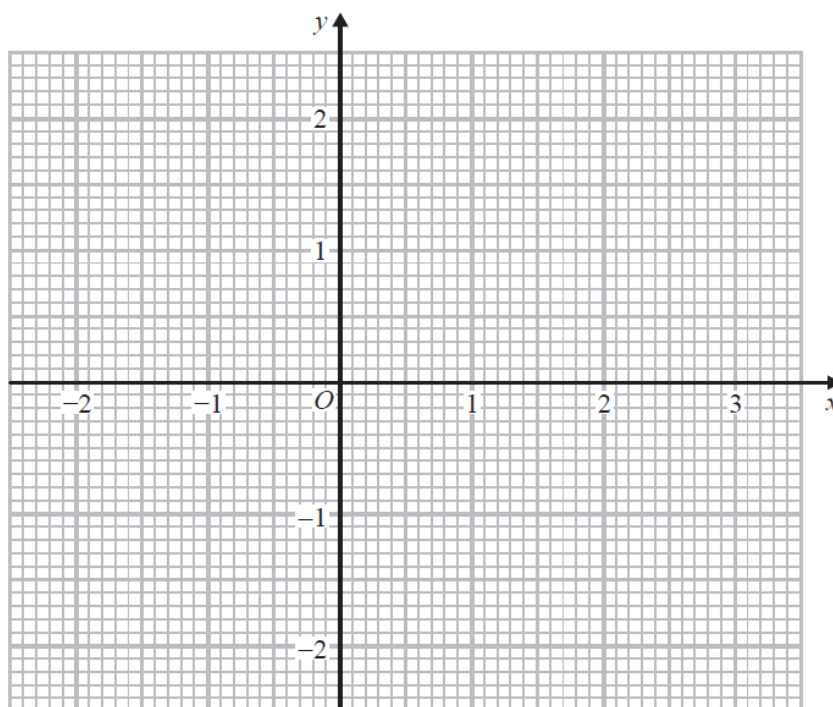


1 (a) Complete the table of values for $y = \frac{1}{2}x - 1$

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

(2)

(b) On the grid, draw the graph of $y = \frac{1}{2}x - 1$ for values of x from -2 to 3



(2)

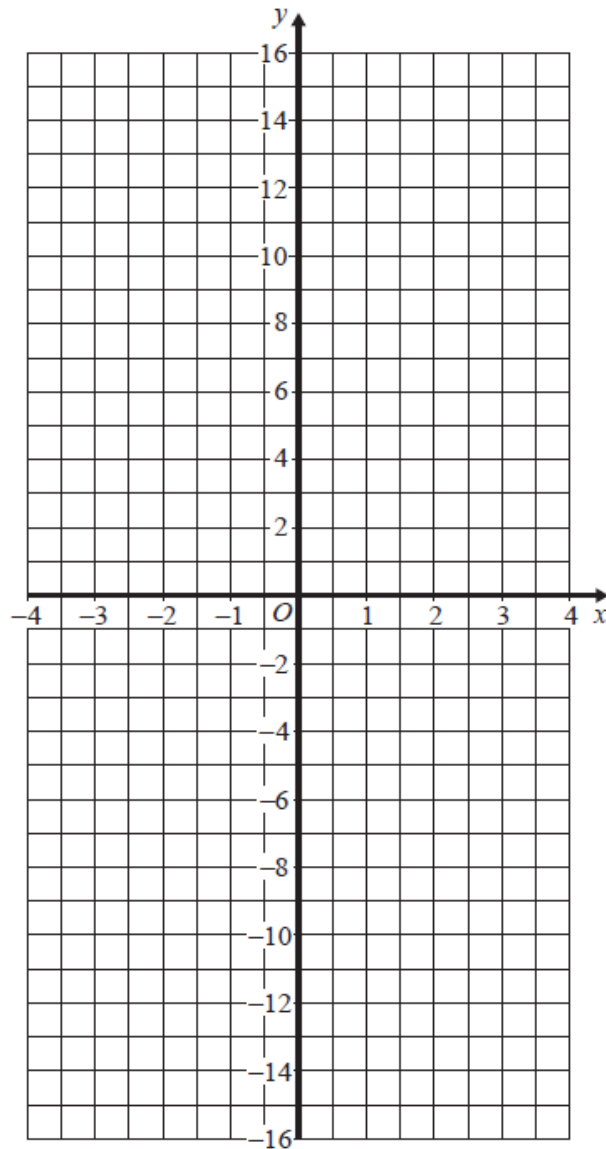
(c) Use your graph to find the value of x when $y = 0.3$

$x = \dots\dots\dots$

(1)

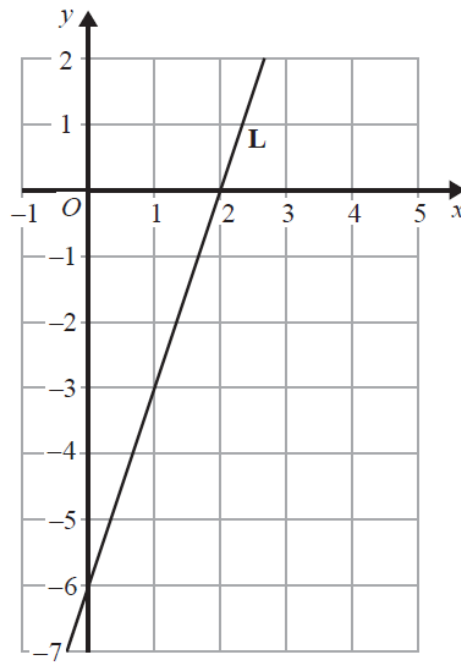
(Total for Question 1 is 5 marks)

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



(Total for Question is 3 marks)

3 The line **L** is shown on the grid.



Find an equation for **L**.

.....
(Total for Question is 3 marks)

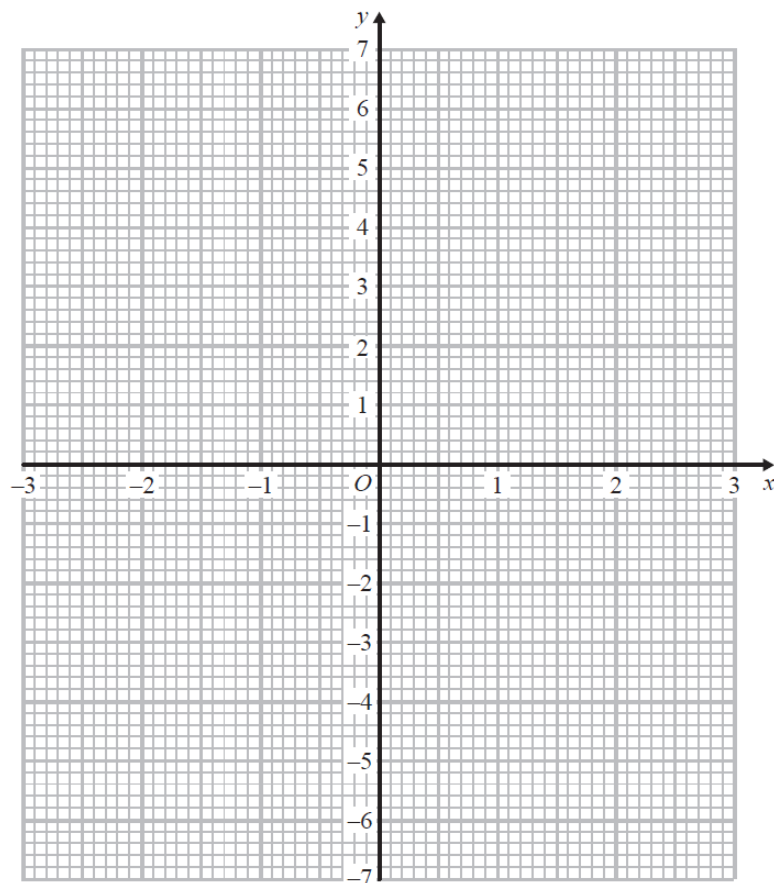
- 4 (a) Complete the table of values for $y = x^2 - x - 6$

x	-3	-2	-1	0	1	2	3
y	6			-6			

(2)

- (b) On the grid, draw the graph of $y = x^2 - x - 6$ for values of x from -3 to 3

(2)

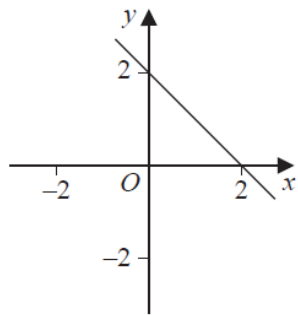


- (c) Use your graph to find estimates of the solutions to the equation $x^2 - x - 6 = -2$

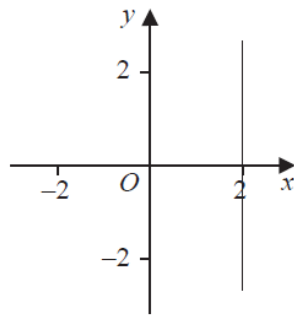
(2)

(Total for Question is 6 marks)

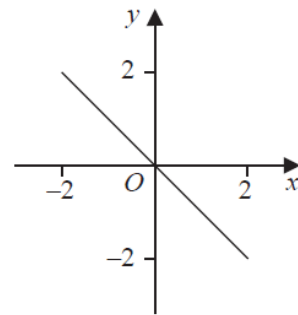
5 Here are six straight line graphs.



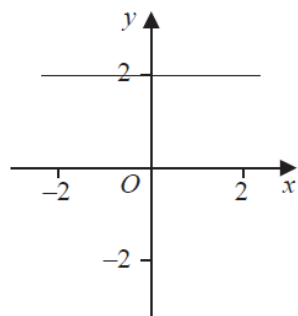
Graph A



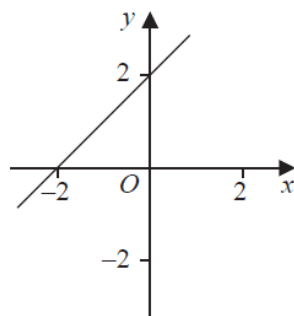
Graph B



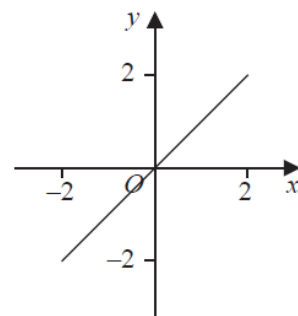
Graph C



Graph D



Graph E



Graph F

Match each equation in the table to the correct graph.
Write the letter of the graph in the table.

Equation	Graph
$y = 2$	
$y = x$	
$x + y = 2$	

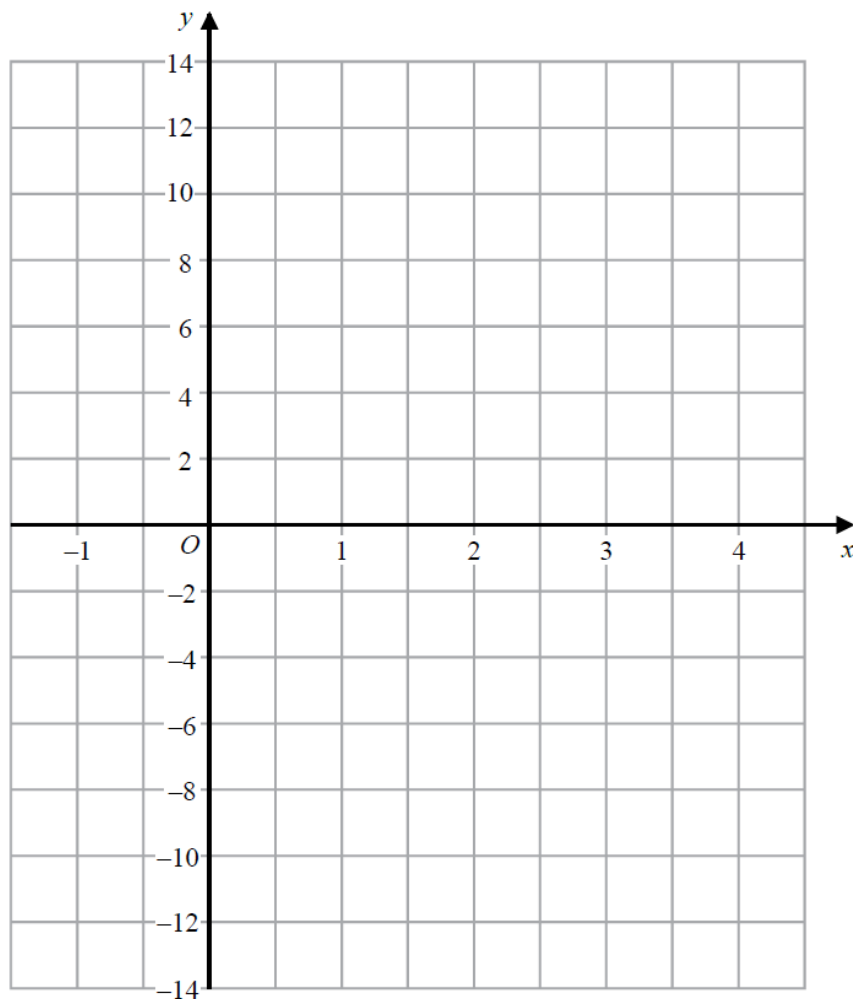
(Total for Question is 2 marks)

6 (a) Complete the table of values for $y = 4x - 6$

x	-1	0	1	2	3	4
y			-2			10

(2)

(b) On the grid, draw the graph of $y = 4x - 6$ for values of x from -1 to 4



(2)

(Total for Question is 4 marks)

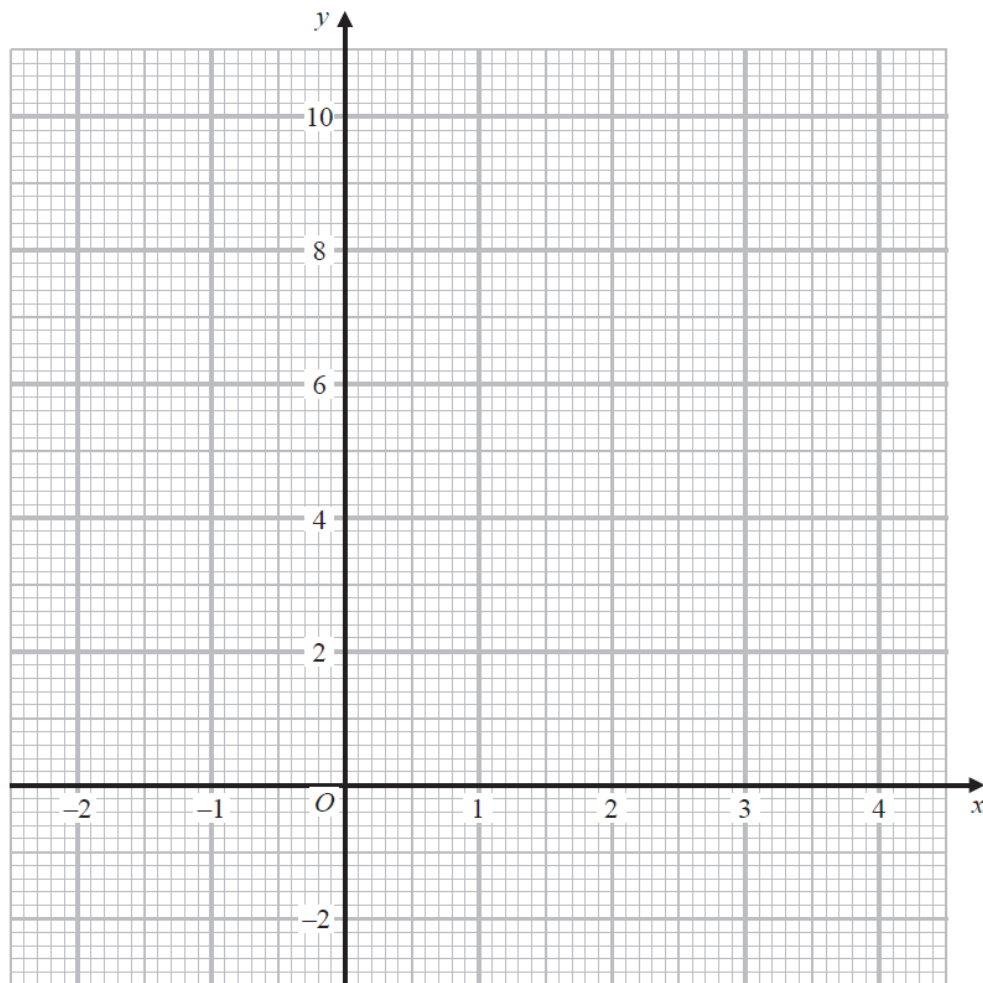
7 (a) Complete the table of values for $y = x^2 - 2x + 2$

x	-2	-1	0	1	2	3	4
y	10		2			5	

(2)

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

(2)



(c) Use your graph to find estimates of the solutions of the equation $x^2 - 2x + 2 = 4$

(2)

(Total for Question is 6 marks)