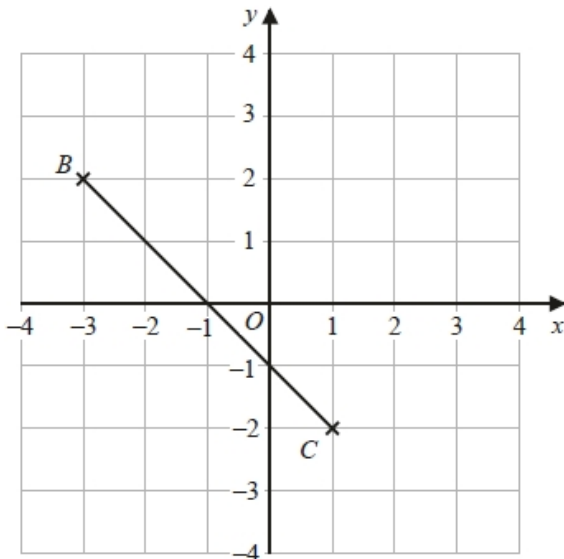


Y10 Foundation

- Linear Graphs

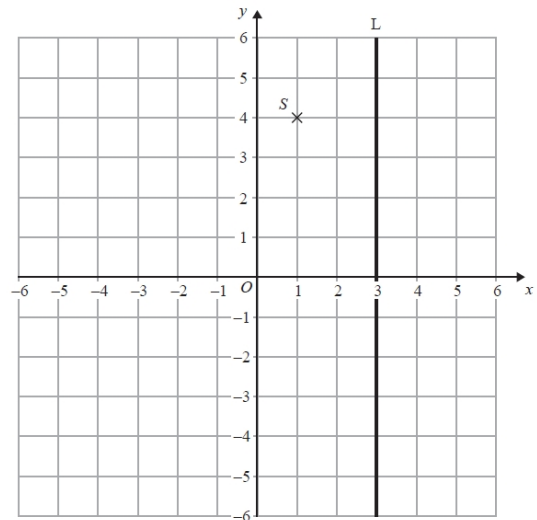
Q1.



- (a) Plot the point with coordinates (3, 2)
Label this point A. (1)
- (b) Write down the coordinates of the midpoint of BC. (1)

(Total for Question is 2 marks)

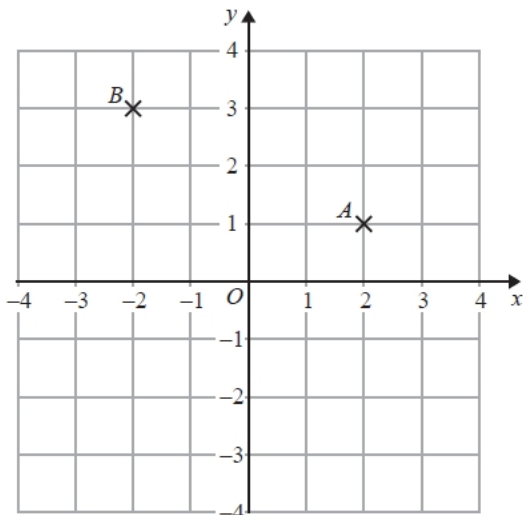
Q2.



- (a) Write down the coordinates of the point S. (1)
- The coordinates of the point T are (-3, 2).
(b) On the grid, mark this point with a cross (x).
Label the point T. (1)
- (c) Write down an equation of the line L. (1)

(Total for Question is 3 marks)

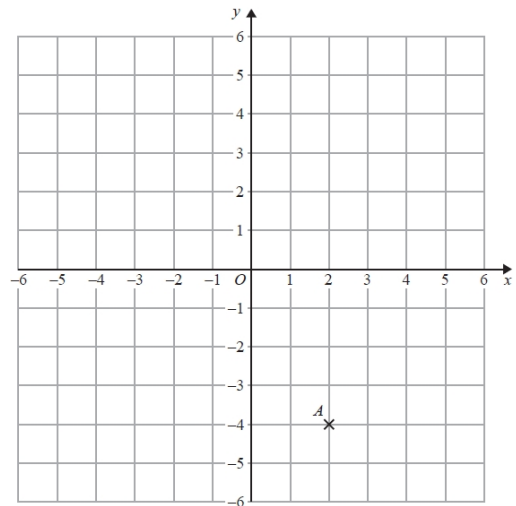
Q3.



- (a) Write down the coordinates of the point A. (1)
- (b) Write down the coordinates of the point B. (1)
- (c) On the grid, mark with a cross (x) the point (-3, -1).
Label this point C. (1)
- (d) On the grid, draw the line $x = 3$ (1)

(Total for Question is 4 marks)

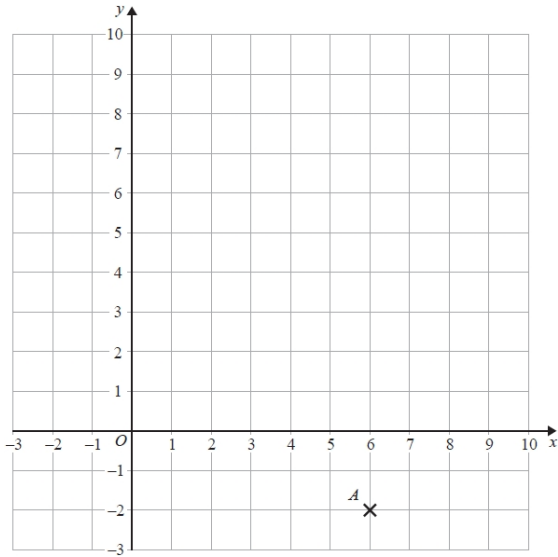
Q4.



- (a) (i) Write down the coordinates of the point A. (1)
(ii) On the grid, mark with a cross (x) the point with coordinates (-2, 3). (2)
- (b) On the grid, draw the line with equation $y = x$ (1)

(Total for Question is 3 marks)

Q5.



- (a) Write down the coordinates of the point A. (1)
- (b) (i) Plot the point with coordinates (2, 9). Label this point B. (1)
- (ii) Does point B lie on the straight line with equation $y = 4x + 1$? You must show how you get your answer. (1)
-
- (c) On the grid, draw the line with equation $x = -2$ (1)
- (Total for Question is 4 marks)**

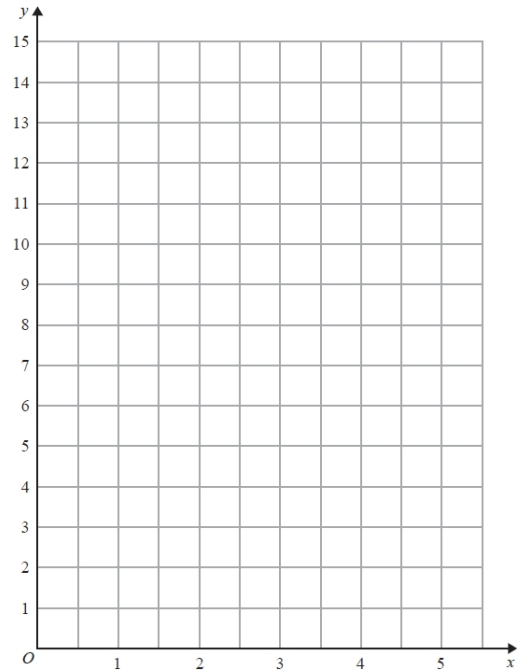
Q6.

(a) Complete the table of values for $y = 2x + 3$ for values of x from 0 to 5

x	0	1	2	3	4	5
y		5		9		

(2)

(b) On the grid, draw the graph of $y = 2x + 3$ for values of x from 0 to 5

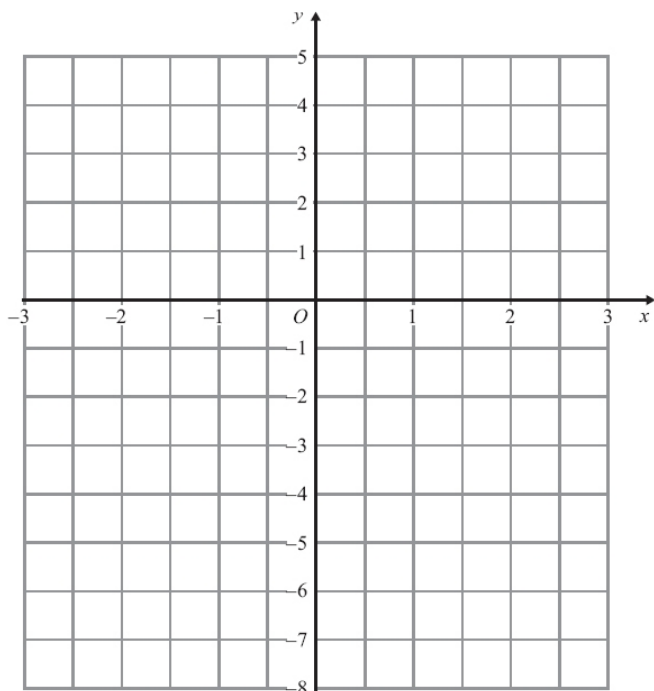


(2)

(Total for Question is 4 marks)

Q7.

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



(Total for Question is 3 marks)

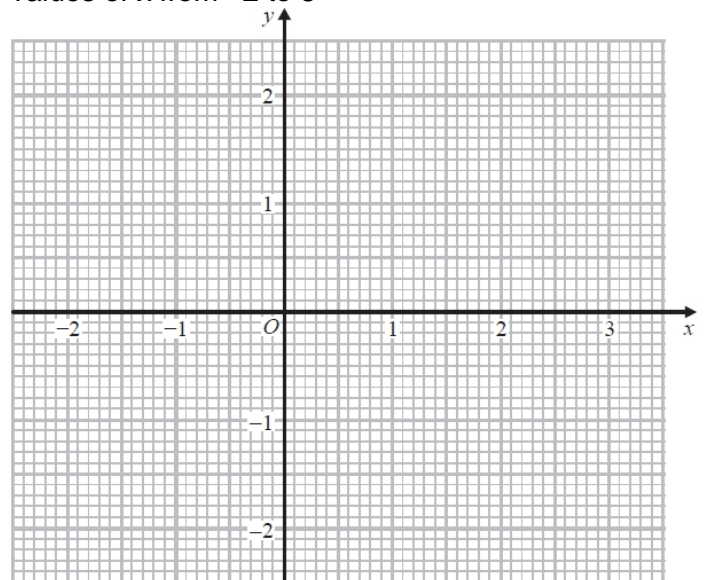
Q8.

(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 $y = 0.3$
 $x =$

(1)

(Total for Question is 5 marks)

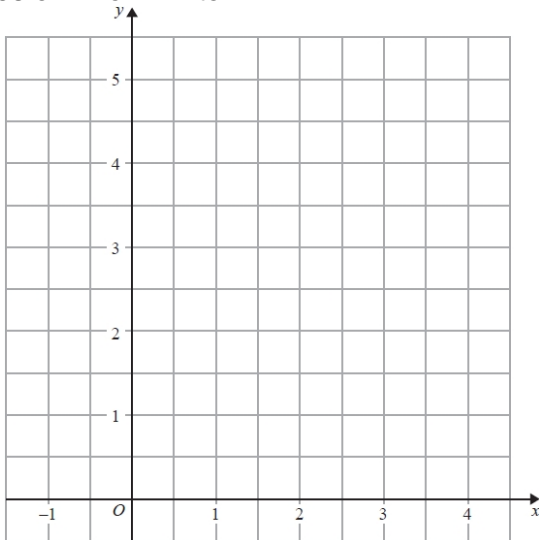
Q9.

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

x	-1	0	1	2	3	4
y			3			0

(2)

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



(2)

(Total for Question is 4 marks)

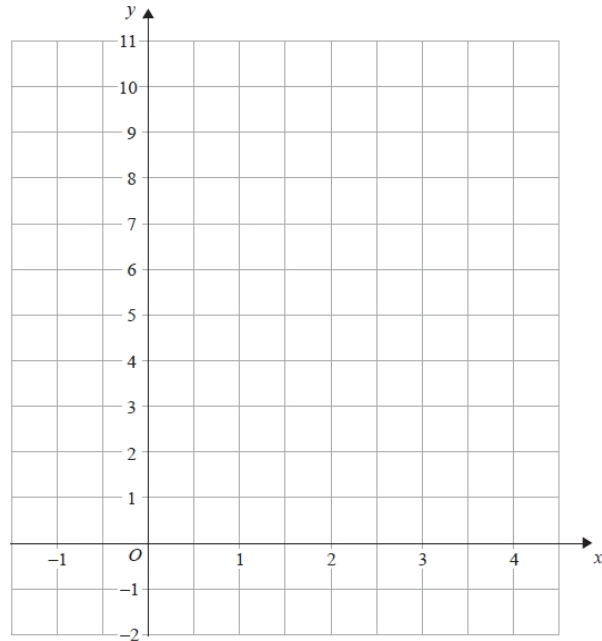
Q10.

(a) Complete the table of values for $y = 8 - 2x$

x	-1	0	1	2	3	4
y			6			0

(2)

(b) On the grid, draw the graph of $y = 8 - 2x$ for values of x from -1 to 4

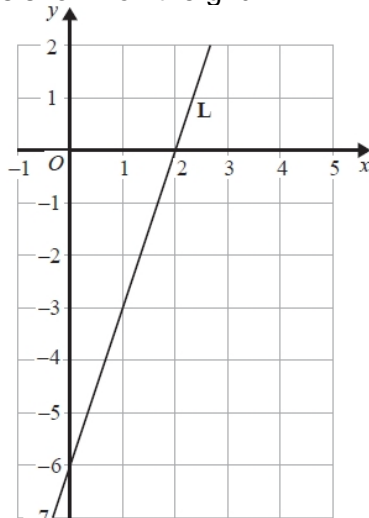


(2)

(Total for Question is 4 marks)

Q11.

The line L is shown on the grid.

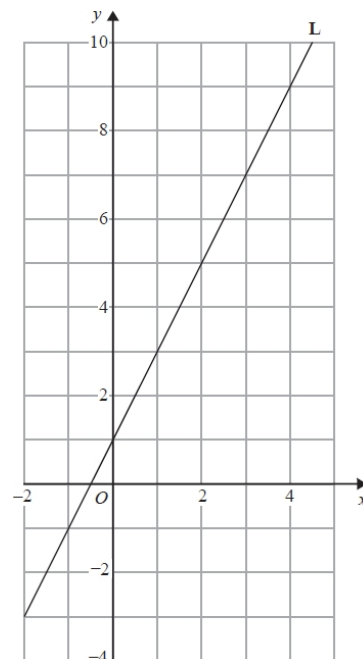


Find an equation for L.

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

Q12.

Line L is drawn on the grid below.



Find an equation for the straight line L.
Give your answer in the form $y = mx + c$

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