Plotting Linear Graphs Exam Questions
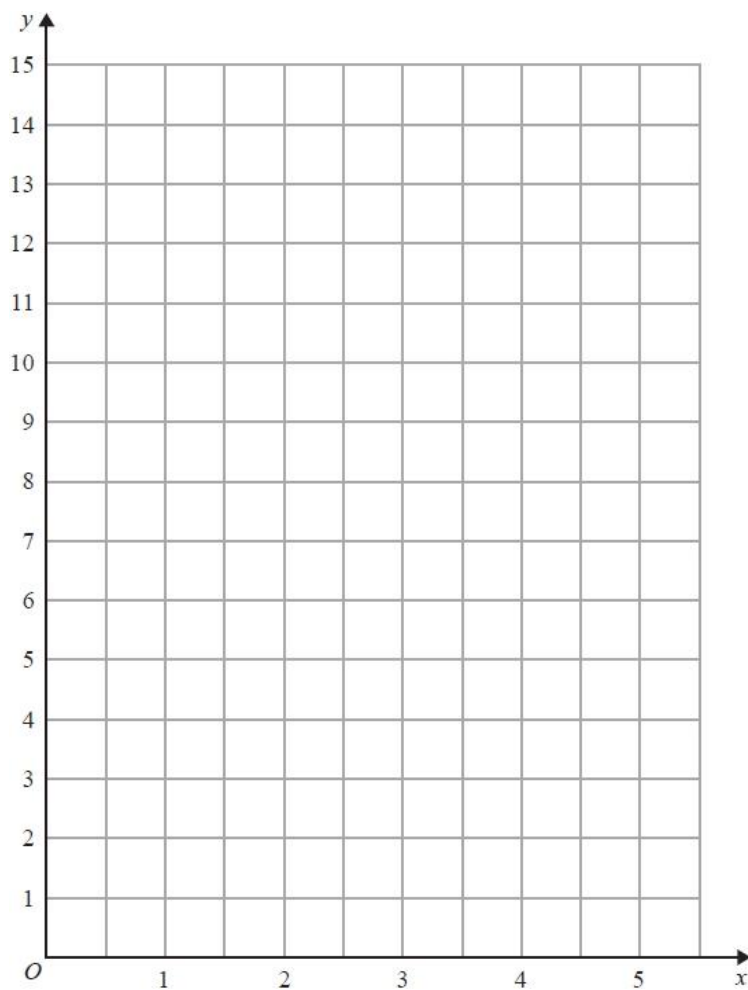
Q1.

(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 = 4 marks)

Q2.

(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)
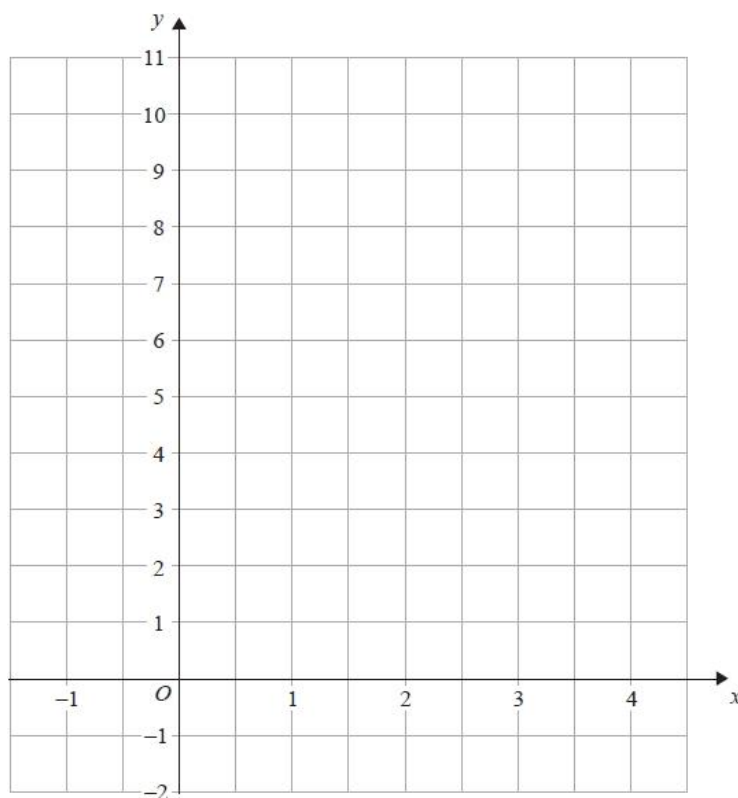
(Total for question = 4 marks)

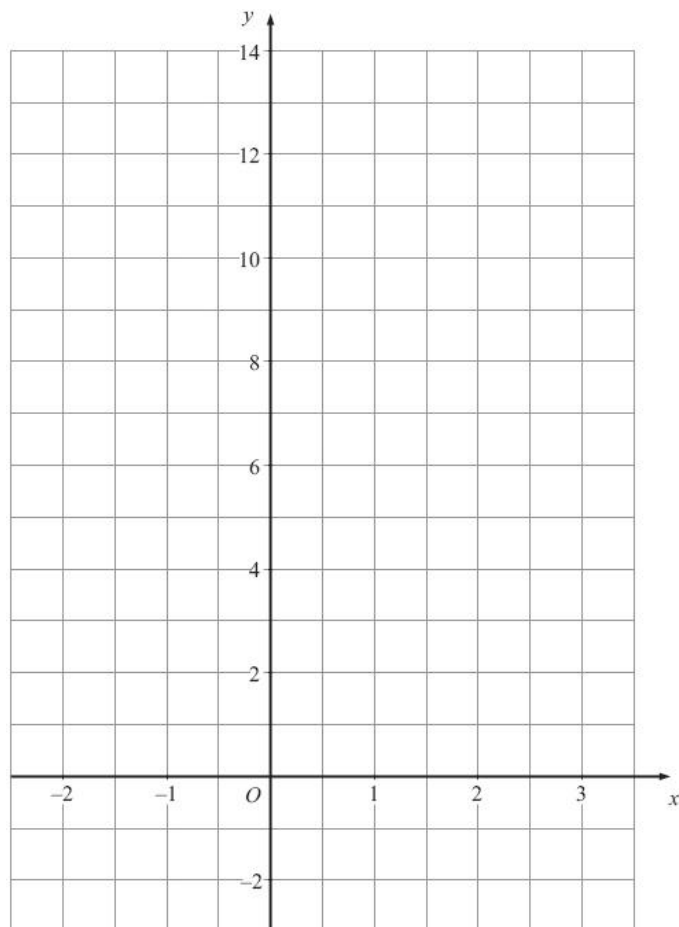**Q3.**

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

x	−2	−1	0	1	2	3
y		1				13

(2)

(b) On the grid, draw the graph of $y = 3x + 4$

(2)

(Total for Question is 4 marks)

Q4.

(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
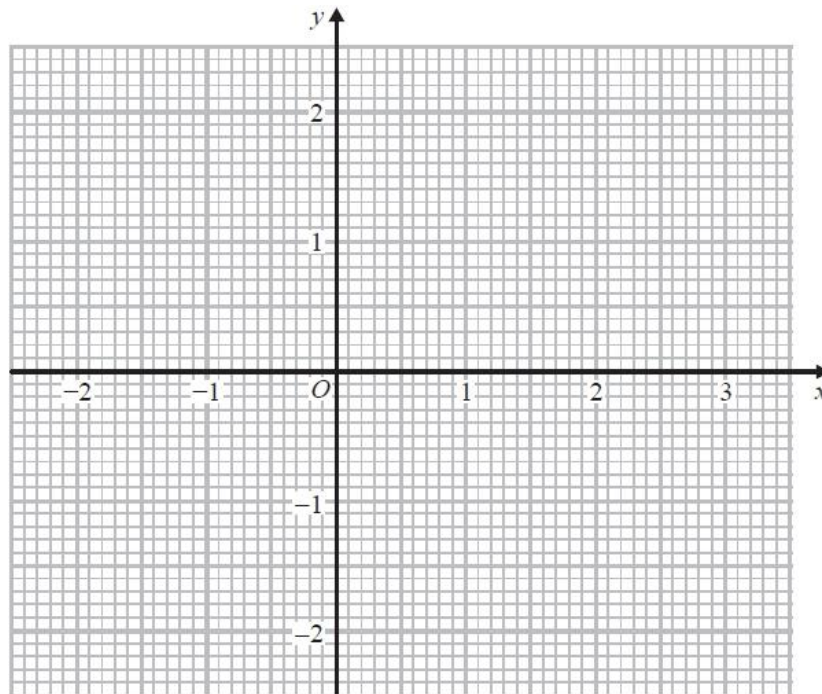
(2)

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

$x =$ ....

(1)

(Total for question = 5 marks)

Q5.

(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 = 4 marks)