Name: _____

ASM Tuition Academy

DRAWING LINEAR GRAPHS

Instructions:

- Use **black** ink or ball-point pen.
- Answer all questions.
- Answer the questions in the spaces provided
  - there may be more space than you need.
- Diagrams are **NOT** accurately drawn, unless otherwise indicated.
- You must **show all you're working out.**

Information:

- The marks for each question are shown in brackets
  - use this as a guide as to how much time to spend on each question.

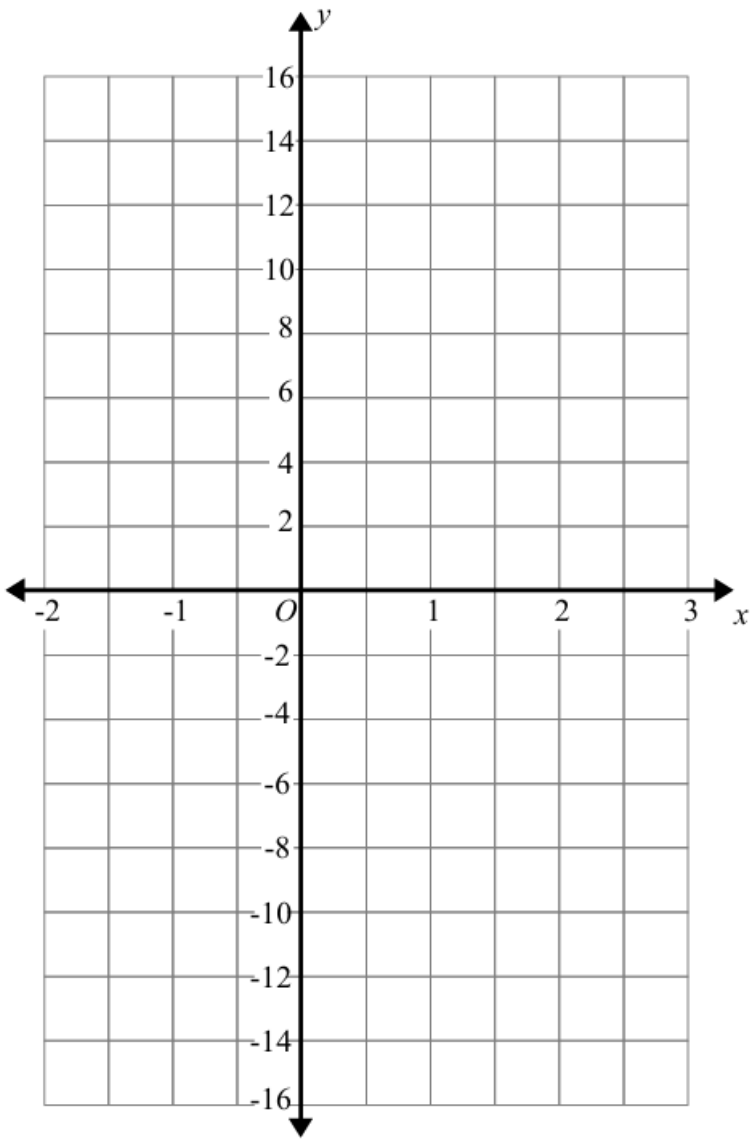
Advice:

- Read each question carefully before you start to answer it.
- Keep an eye on time.
- Try to answer every question.
- Check your answers if you have time at the end.

Q1. Complete the table of values for y = 2x – 2

x	-2	-1	0	1	2
y					

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

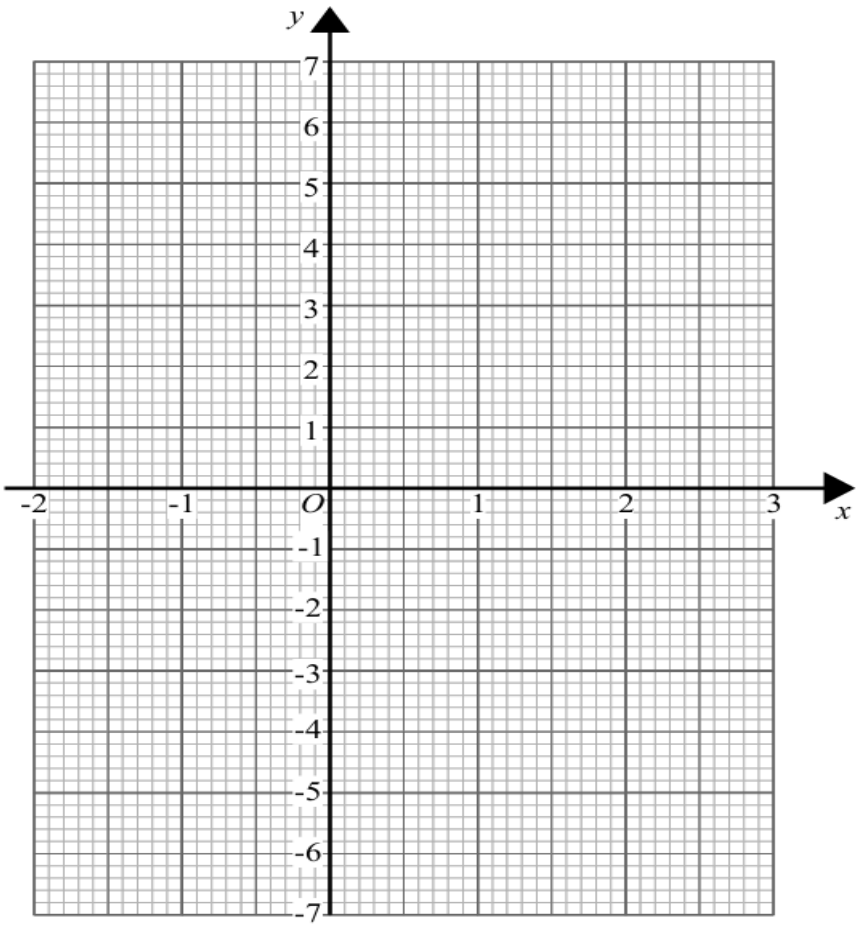


(Total for question 1 is 4 marks)

Q2.

(a) Complete the table of values for y = 3 – 2x

x	-2	-1	0	1	2
y					



(b) On the grid draw the graph of y = 3 – 2x for values of x from –2 to 2

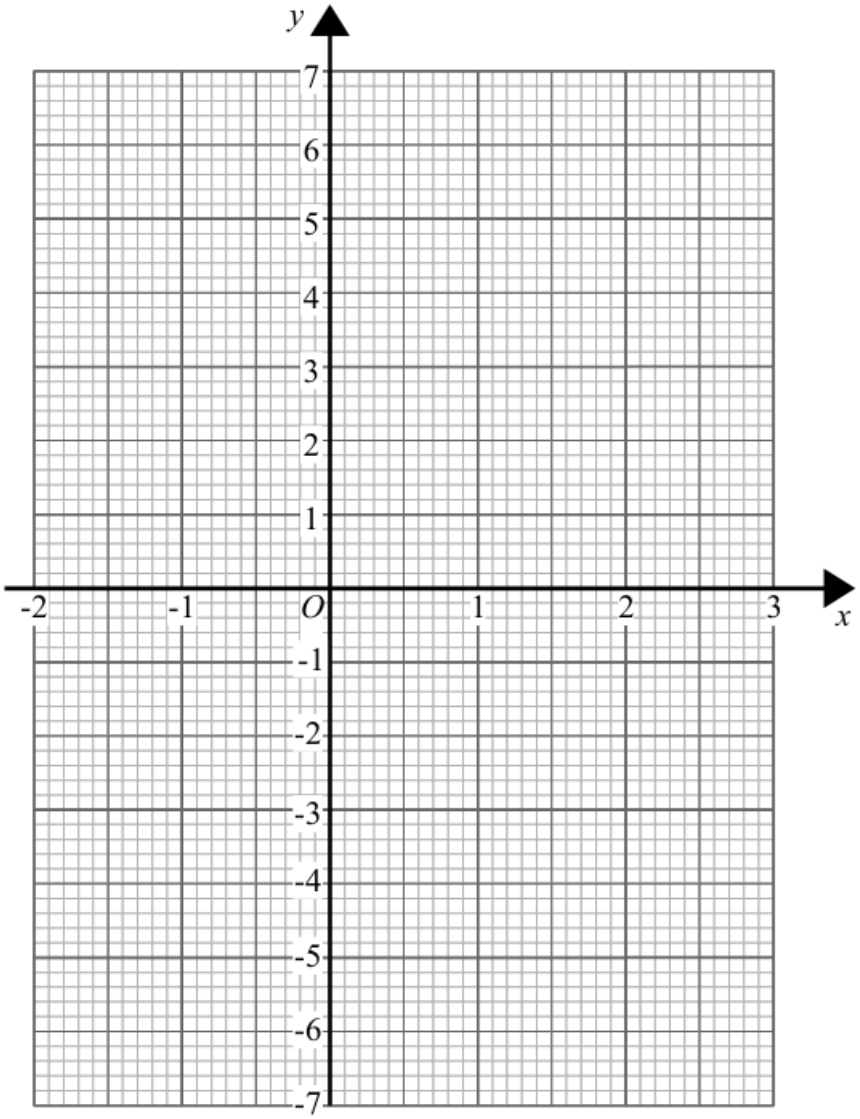
(c) Use your graph to find the value of y when x = 0.8

(Total for question 2 is 5 markS)

Q3. $y = \frac{3}{2}x + 1$

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

x	-2	-1	0	1	2
y					

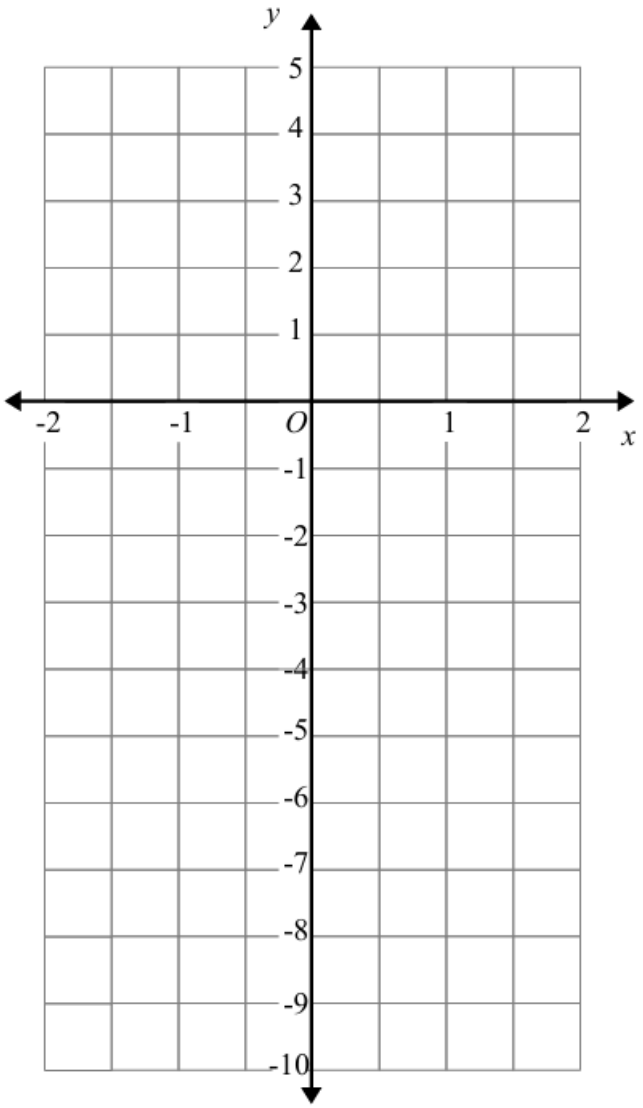


(b) Use your graph to find the value of x when y = 2.5

(Total for question 3 is 4 marks)

Q4. On the grid, draw the graph of $y = 2x + 1$ for values of x from -2 to 2

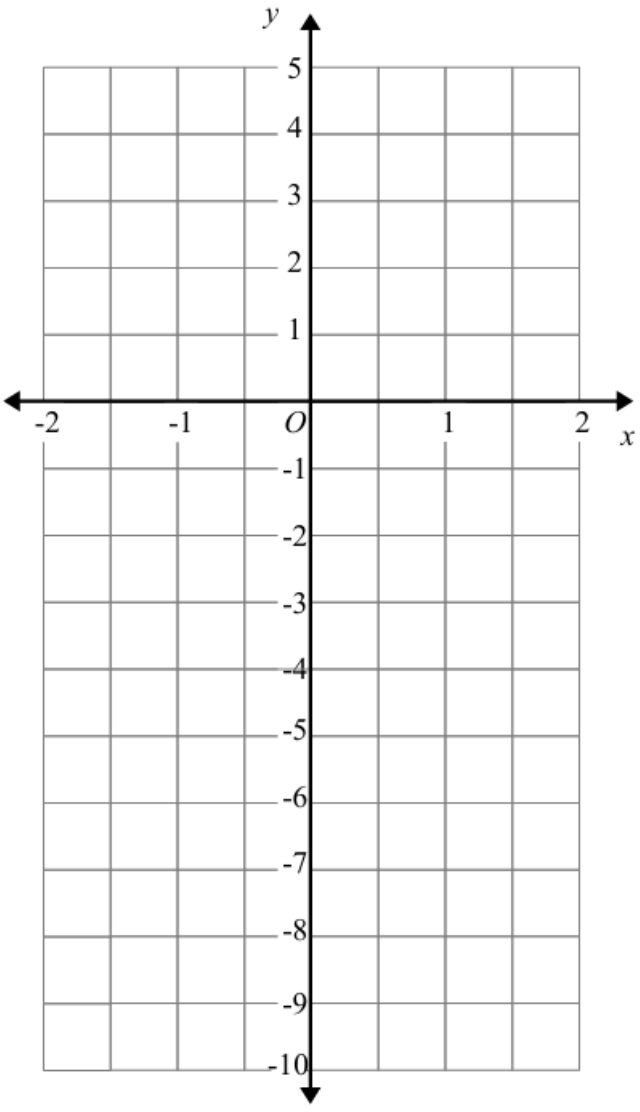
x	-2	-1	0	1	2
y					



(Total for question 4 is 3 marks)

Q5. On the grid, draw the graph of y = x + 2 for values of x from -2 to 2

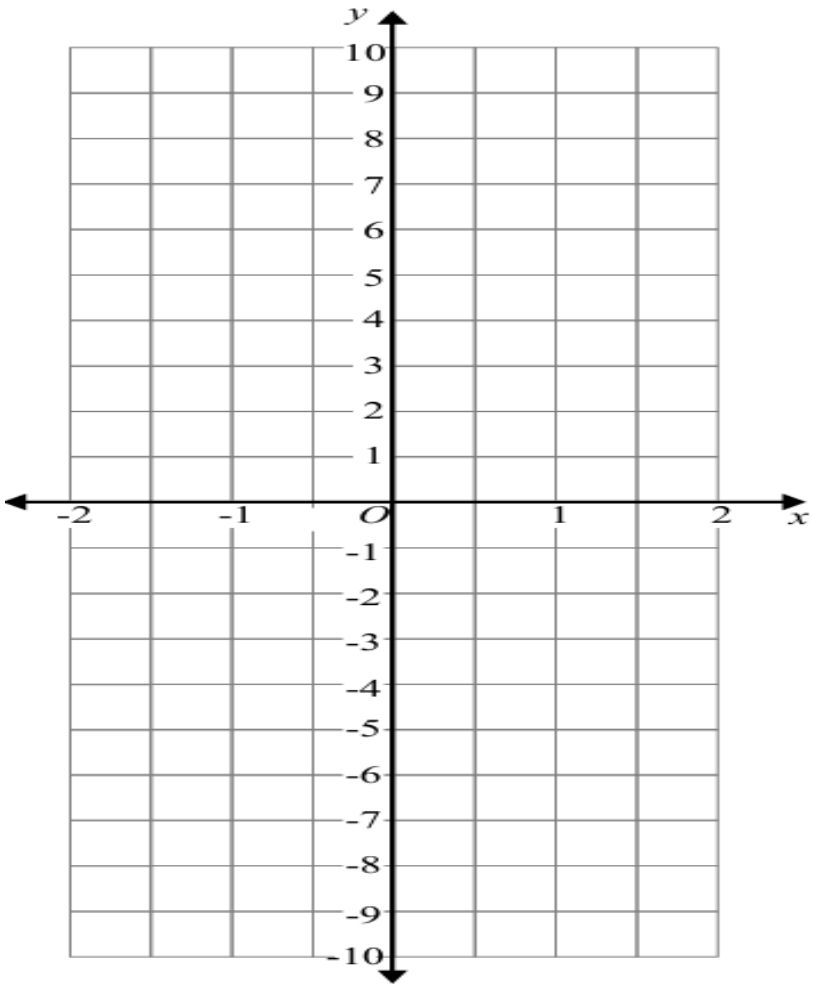
x	-2	-1	0	1	2
y					



(Total for question 5 is 3 mark)

Q6. On the grid, draw the graph of y = 1 – 2x for values of x from -2 to 2

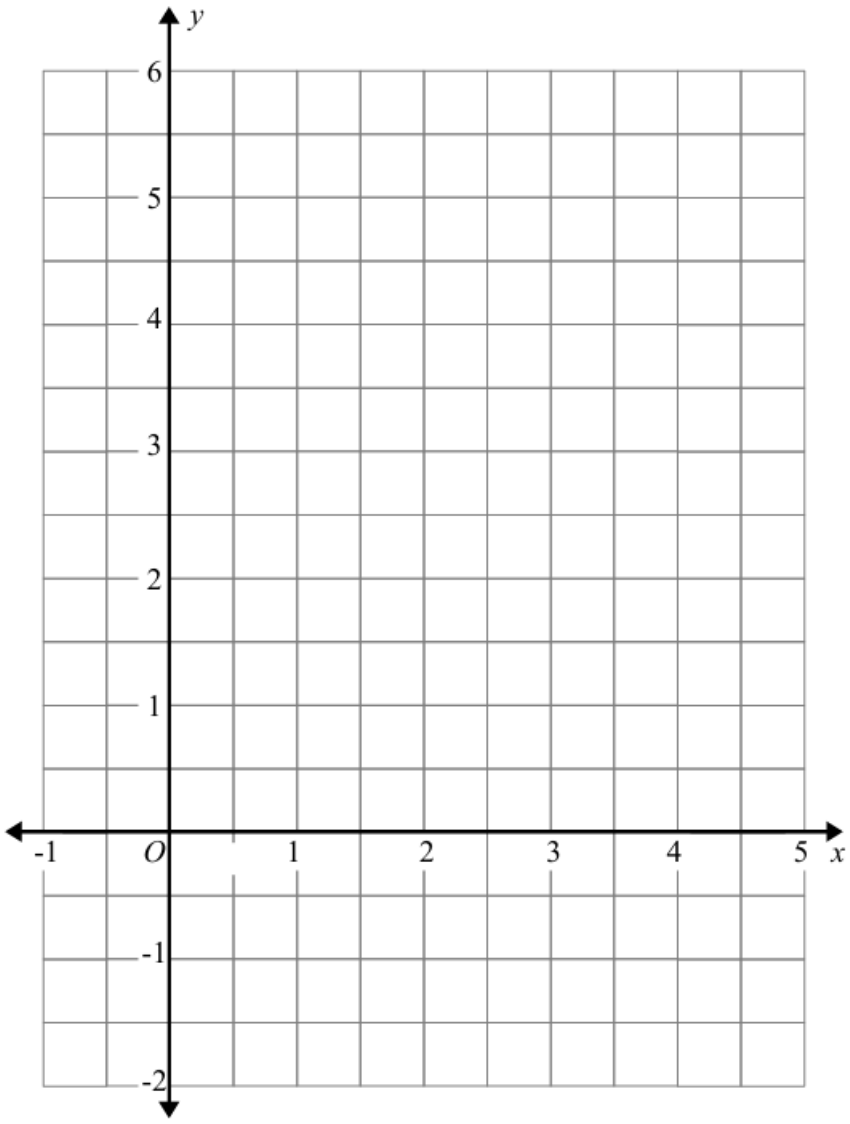
x	-2	-1	0	1	2
y					



(Total for question 6 is 3 markS)

Q7. On the grid, draw the graph of x + y = 6 for x values from 0 to 5

x	0	1	2	3	4	5
y						



(Total for question 7 is 3 marks)