

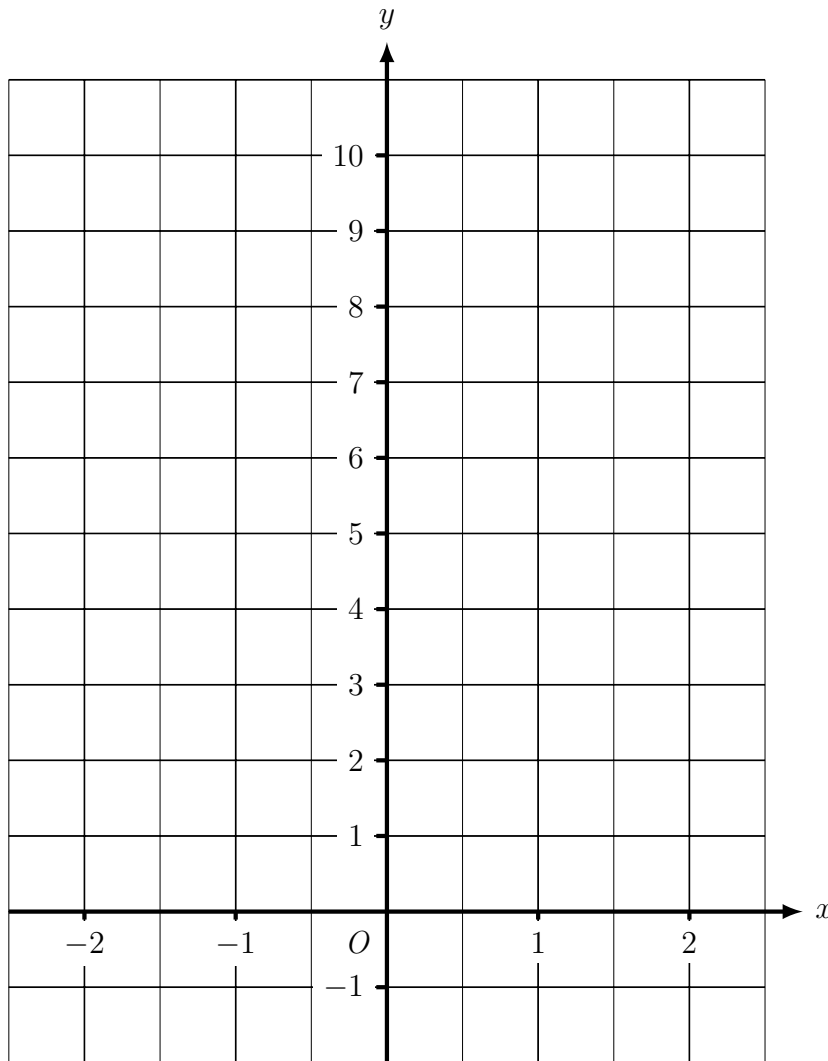
1.

1. **not written yet**

2. (a) Complete the table of values for $y = 2x + 3$

x	-2	-1	0	1	2
y		1			

(b) On the grid, draw the line $y = 2x + 3$, for values of x from -2 to 2.



(2 Marks)

3.

3. **not written yet**

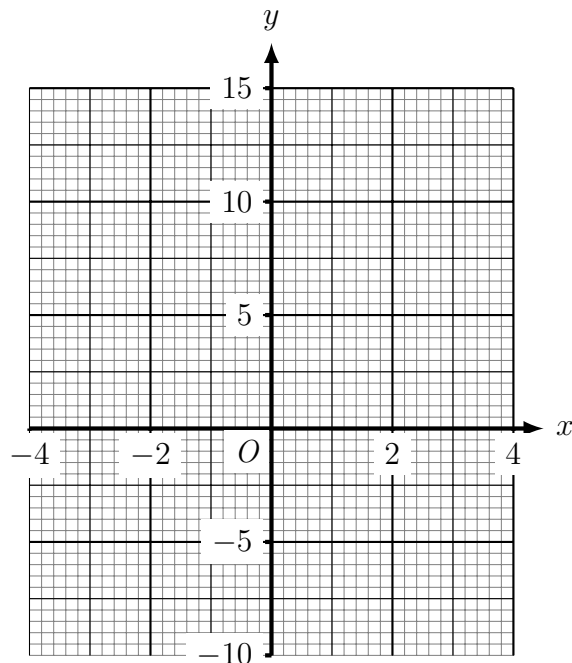
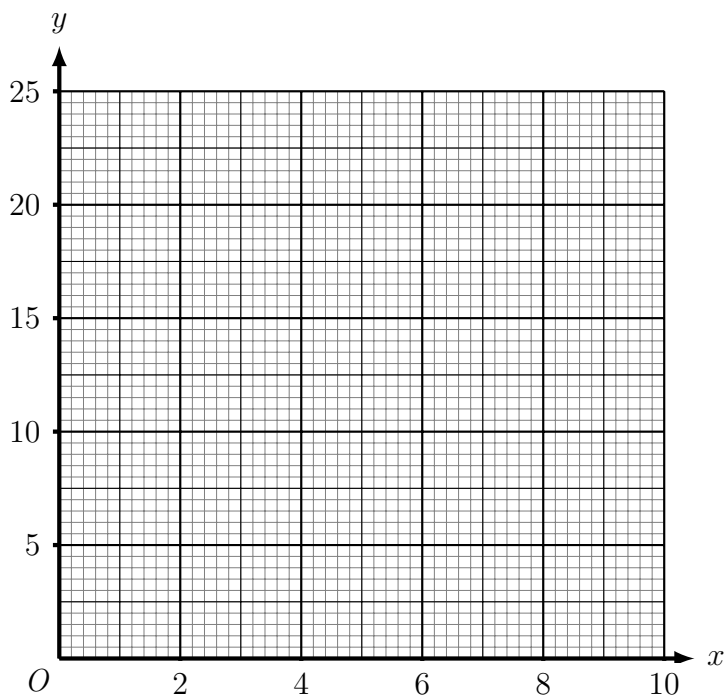
4.

4. **not written yet**

5. (a) Complete the table of values for $y = \frac{10}{x}$

x	0.5	1	2	2.5	4	5	10
y			5		2.5		

(b) On the grid, below left, draw the graph of $y = \frac{10}{x}$ for values of x from 0.5 to 10



(c) Complete the table of values for $y = x^2 + 2x - 3$

x	-4	-3	-2	-1	0	1	2	3
y			-3					12

(d) On the grid, above right, draw the graph of $y =$ for values of $x^2 + 2x - 3$ from -3 to 3

6. (a) The n th term of a sequence is $2n^2 - 3n$.

Write down the first **four** terms of the sequence

(b) The n th term of a sequence is $14 - 2n^2$.

- i) Write down the **third** term of this sequence.
- ii) Write down the **seventh** term of this sequence.

7. (a) Solve $3x^2 = 75$

(b) Solve $x^2 - 3x - 18 = 0$

8. (a) $\frac{9x + 5}{4} = 3x - 1$

(b) Solve $2(7 - x) = 4x - 16$

9. Solve $17 - 2x = 3(x + 3)$