1.

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.

3.

4.
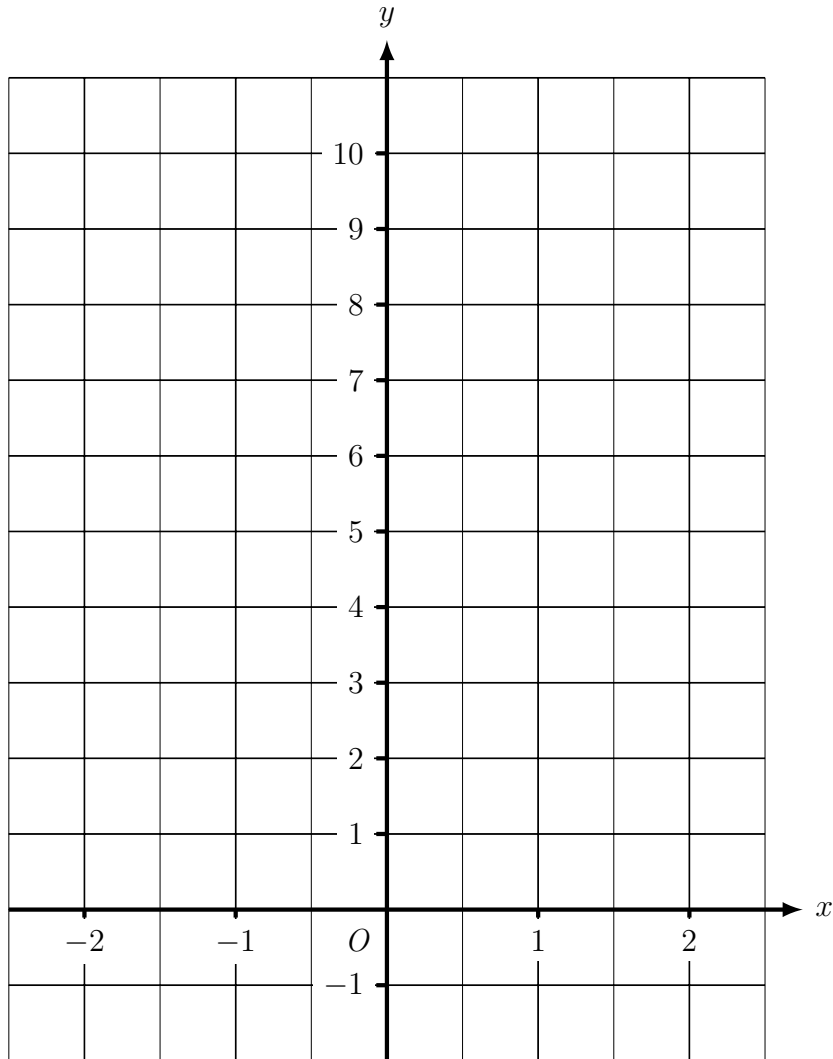
5. (a) Complete the table of values for $y = \dfrac{10}{x}$

x	0.5	1	2	2.5	4	5	10
y			5		2.5		

 (b) On the grid, below left, draw the graph of $y = \dfrac{10}{x}$ for values of x from 0.5 to 10
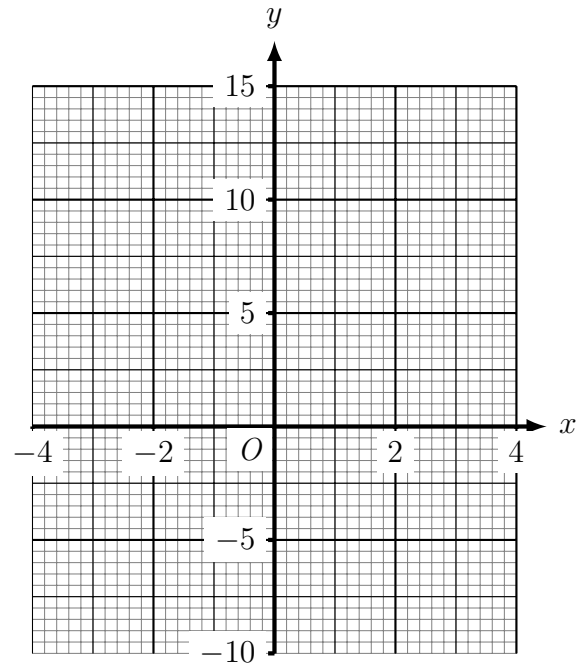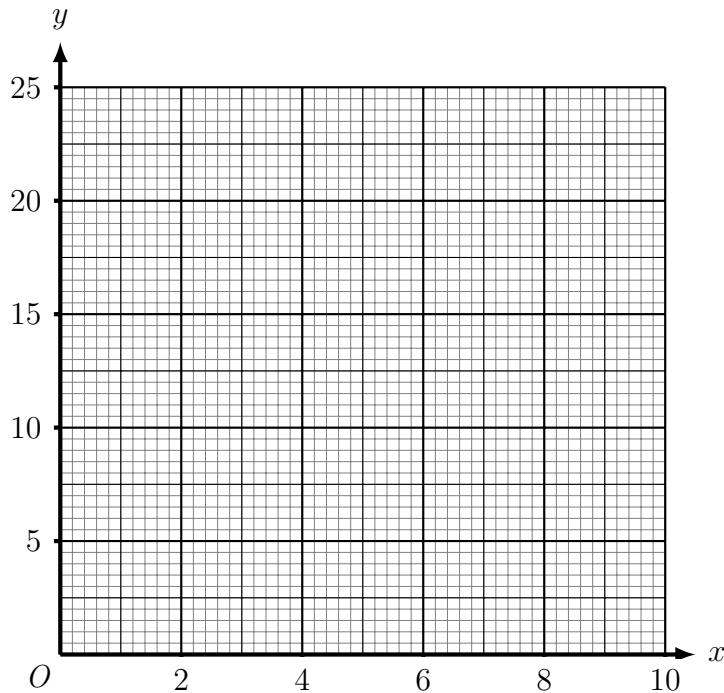
 (c) Complete the table of values for $y = x^2 + 2x - 3$

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 nth term of a sequence is $2n^2 - 3n$.

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

 (b) The nth 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) $\dfrac{9x + 5}{4} = 3x - 1$ (b) Solve $2(7 - x) = 4x - 16$

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