

Starter 08 JAN 19  
 Complete the table and graph the line  
 given:  $2x+3y=12$

x	y
-6	8
-3	6
0	4
3	2

$$2x+3y=12$$

$$\underline{-2x} \quad \underline{-2x}$$

$$3y = -2x + 12$$

$$\underline{\frac{3}{3}} \quad \underline{\frac{-2x}{3}} \quad \underline{\frac{12}{3}}$$

$$y = -\frac{2}{3}x + 4$$
  

$$y = -\frac{2}{3}(-6) + 4$$

$$\frac{12}{3} + 4$$

$$4 + 4$$

$$8$$

①  $y = 2x - 3$

x	y
5	7
2	1
0	-3
-1	-5

Handwritten calculations:

$$y = 2(5) - 3$$

$$10 - 3$$

$$7$$

$$y = 2(2) - 3$$

$$4 - 3$$

$$1$$

$$y = 2(0) - 3$$

$$0 - 3$$

$$-3$$

$$y = 2(-1) - 3$$

$$-2 - 3$$

$$-5$$

③  $y = x^2 + 4x$

x	y
1	5
0	0
-1	-3
-2	-4
-3	-3
-4	0
-5	5

Handwritten calculations:

$$y = (1)^2 + 4(1)$$

$$1 + 4$$

$$5$$

$$y = (0)^2 + 4(0)$$

$$0 + 0$$

$$0$$

$$y = (-1)^2 + 4(-1)$$

Parabola

Finish page for homework if not yet complete.