1. This is the graph of y = x2 – 3x – 2.

On the same grid, plot the line y = 3x – 7.



Find the coordinates of the points where these two graphs intersect:

( , ) and ( , )

Use the points to solve the simultaneous equations

y = x2 – 3x – 2

y = 3x – 7

x = \_\_\_\_\_\_\_\_ and y= \_\_\_\_\_\_\_\_

or

x = \_\_\_\_\_\_\_\_ and y= \_\_\_\_\_\_\_\_

1. This is the graph of y = 2x2 – 6x – 5.
	1. Use it to solve the equation 2x2 – 6x – 5 = 3.



* 1. By adding another line, solve the simultaneous equations

y = 2x2 – 6x – 5

y = -2x + 1

x = \_\_\_\_\_\_\_\_ and y= \_\_\_\_\_\_\_\_

or

x = \_\_\_\_\_\_\_\_ and y= \_\_\_\_\_\_\_\_