



The table shows the values of  $y = 2x^2 + x - 3$  for values of x from -3 to 3.

x	-3	-2	-1	0	1	2	3
$y = 2x^2 + x - 3$	12	3	-2	-3	0	7	18

(a) On the graph paper opposite, draw the graph of  $y = 2x^2 + x - 3$  for values of x between -3 and 3.

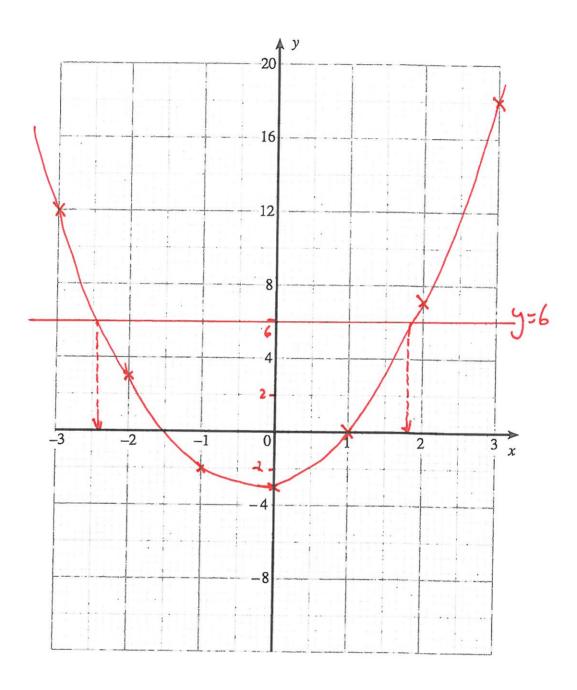
[2]

(b)	Draw the line $y = 6$ on your	graph	paper	and	write	down	the	x-value	s of	the	points	where
	your two graphs intersect.										1	

······································	***************************************
	-2.4 , 1.8
***************************************	
	•
יכו	
[2]	

Examiner only





Examiner only



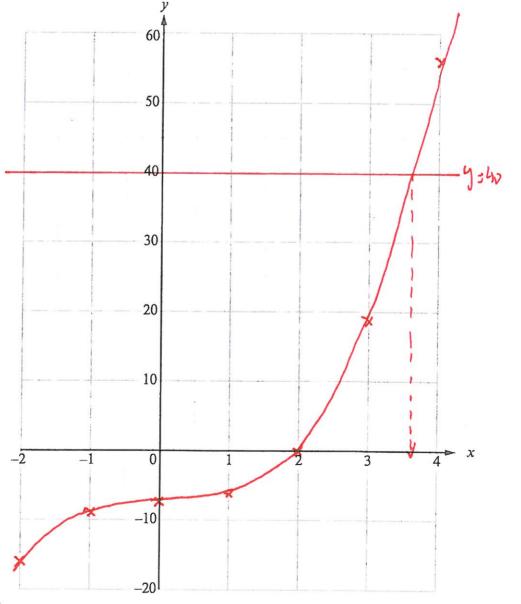
The table shows some of the values of  $y = x^3 - 8$  for values of x from -2 to 4.

(a) Complete the table by finding the values of y for x = -1 and x = 3.

x	-2	-1	0	1	2	3	4
$y = x^3 - 8$	-16	-9	-8	-7	0	19	56

[2]

(b) On the graph paper below, draw the graph of  $y = x^3 - 8$  for values of x from -2 to 4.





1 8

(185-07)

(c)	Use your graph to solve the equation $x^3 - 8 = 40$ .
	٩.6
••••••	[2]

