Write your name here							
Surname	Othe	r names					
In the style of: Edexcel GCSE	Centre Number	Candidate Number					
Mathematics A							
Quadratic G	raphs	Higher Tier					
Deat Deman Chile Original	stions						
Past Paper Style Que	suons	Paper Reference					
Arranged by Topic	SUONS	Paper Reference					

## Instructions

- Use **black** ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided there may be more space than you need.
- Calculators must not be used.

## Information

- The total mark for this paper is 100
- The marks for each question are shown in brackets
  use this as a guide as to how much time to spend on each question.
- Questions labelled with an **asterisk** (\*) are ones where the quality of your written communication will be assessed.

## Advice

- Read each question carefully before you start to answer it.
- Keep an eye on the time.
- Try to answer every question.
- Check your answers if you have time at the end.



Turn over 🕨



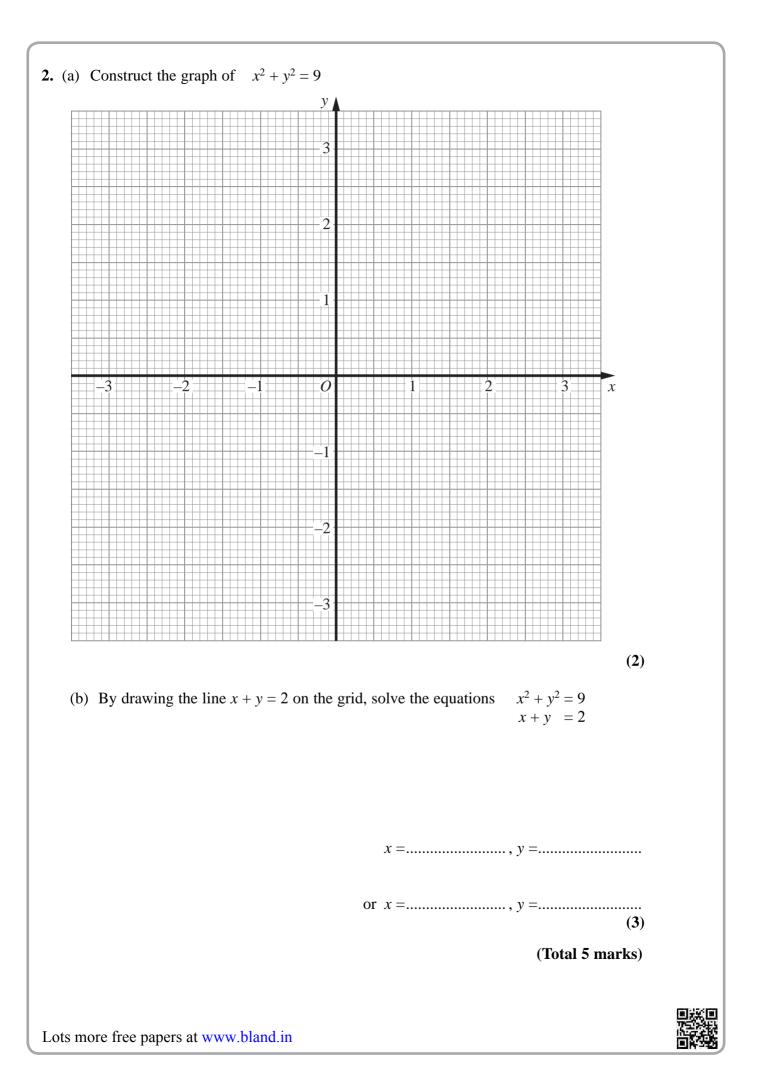
**1.** (a) Complete the table of values for  $y = x^2 + x - 2$ -2 0 -4 -3 -1 1 2 х 4 10 0 y -2 (2) (b) On the grid below, draw the graph of  $y = x^2 + x - 2$  for values of x from -4 to 2 (2) *y* 10 <u>9</u>1 8 7 6 5 4 3 2 1 0  $\frac{1}{2}x$ 3 2 1 -3 -5 Lots more free papers at www.bland.in

(c) Use your graph to find estimates for the solutions of  $x^2 + x - 2 = 0$ 

 $x = \dots$   $x = \dots$ (1)

(Total 5 marks)

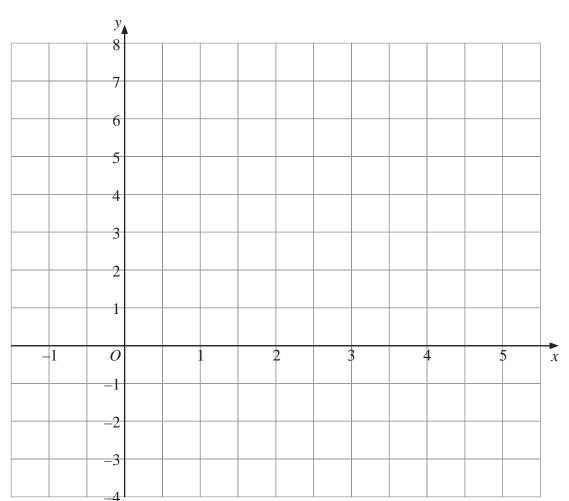




**3.** (a) Complete the table of values for  $y = x^2 - 4x + 1$ 

x	-1	0	1	2	3	4	5
У		1	-2		-2		6
							(2)



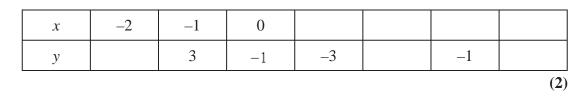


(2)

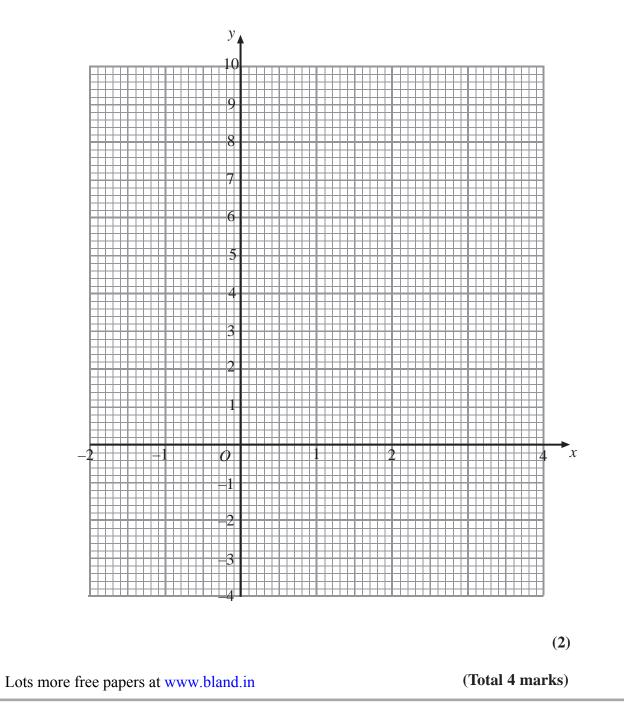
(Total 4 marks)

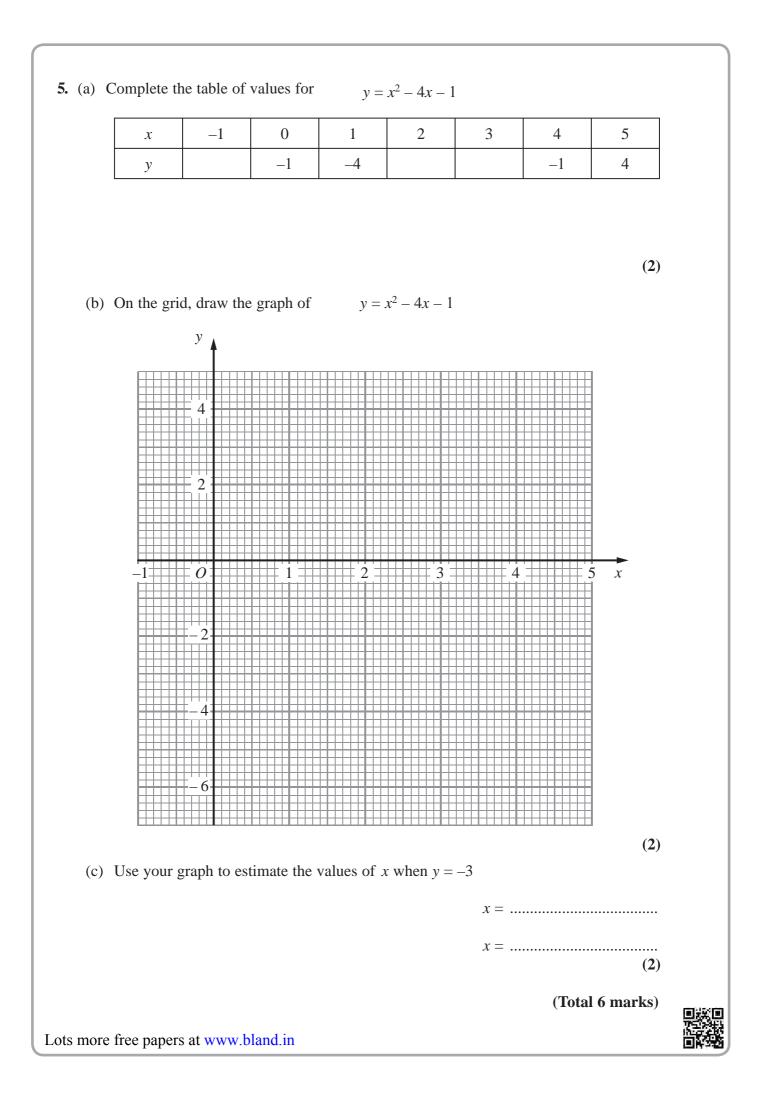


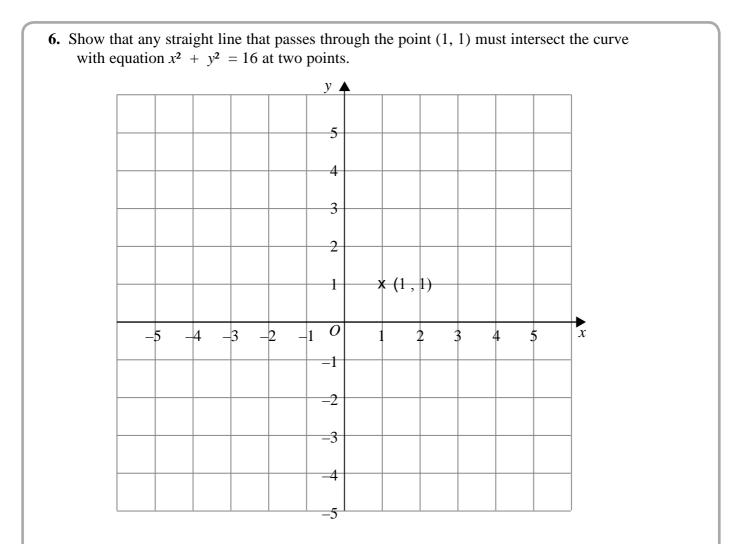
**4.** (a) Complete the table of values for  $y = x^2 - 3x - 1$ 



(b) On the grid, draw the graph of  $y = x^2 - 3x - 1$  for values of x from -2 to 4







(Total 3 marks)



Lots more free papers at www.bland.in