Q1. You are given that $x^2 - 12x + a = (x - c)^2$		
,	Work out the values of a and c .	
,		
,		
	<i>a</i> =	
	<i>C</i> =	
	(То	tal 3 marks)
Q2. (a)	a) Show that $x^2 - 8x + 20$	
	can be written in the form $(x - a)^2 + a$	
	where a is an integer.	
		(0)
		(3)
	(b) Hence explain how you know that $x^2 - 8x + 20$ is always positive.	

	 (2) (Total 5 marks)
	(Total 5 marks)
Q3. Given that $x^2 + ax + b = (x - 7)^2 - a$	
work out the values of a and b .	
	·•
Answer $a =$	
	(Total 3 marks)