9	The curve C, with equation $y = f(x)$ , passes through the point with coordinates $(0,4)$ .	
	Given that $f'(x) = x^3 - 3x^2 - x + 3$	
	(a) find $f(x)$ .	
		(3)
	(b) Show that C has a minimum point at $x = -1$ and a minimum point at $x = 3$	(6)
		(6)
	(c) (i) Find the coordinates of the maximum point on C.	
	(ii) Show that the point found in (i) is a maximum point.	(3)
	(d) State the ranges of values of x for which $f'(x) > 0$	( )
	(a) state the ranges of values of whom I (w) > 0	(2)
•••••		

Question 9 continued			



Question 9 continued				

Question 9 continued			
(Total for Question 9 i	s 14 marks)		

