9	A particle <i>P</i> moves in a straight line such that, at time <i>t</i> seconds, its displacement, <i>s</i> metres, from a fixed point <i>O</i> of the line is given by $s = t^3 - 6t^2 + 5t$		
	Find		
	(a) the values of t for which P passes through O	(3)	
	(b) the speed of P each time it passes through O	(5)	
	(c) the greatest speed of P in the interval $0 \le t \le 5$	(4)	

Question 9 continued				



Question 9 continued				

Question 9 continued			
	(Total for Question 9 is 12 marks)		

