5	 (a) Expand (1+3x)^{1/5} in ascending powers of x up to and including the term in x³, simplifying your terms as far as possible. (b) By substituting x=-1/8 into your expansion, obtain an approximation for ⁵√20 	(4)
	Write down all the figures on your calculator display. (c) Explain why you cannot obtain an approximation for $\sqrt[5]{4}$ by substituting $x = 1$ into	(4)
	your expansion.	(1)

Question 5 continued				



Question 5 continued				

Question 5 continued			
(Total for Qu	estion 5 is 9 marks)		

