5	A circle has radius $3r$ cm and area A cm ²	
	Given that the value of r increases by 0.05%	
	use calculus to find an estimate for the percentage increase in the value of A .	
		(5)

10

Question 5 continued		
(Total for Question 5 is 5 marks)		
(2000 101 Question 0 10 0 marks)		

