3	(a) Write down the value of $\log_3 9$	(1)
	(b) Solve the equation $\log_3 9t = \log_9 \left(\frac{12}{t}\right)^2 + 2$ where $t > 0$	· · ·
	Give your answer in the form $a\sqrt{b}$ where a and b are prime numbers.	(6)

Question 3 continued			
	Total for Question 3 is 7 marks)		

