5			**DR**				
			$\log 3^{2x+1} = \log 4^{100}$	***M1**	1.1a	Correctly introduce logs (can use any base, if consistent)	**OR** $\text{M1 } \log_3 3^{2x+1} = \log_3 4^{100}$
			$(2x+1)\log 3 = \log 4^{100}$	**A1**	1.1	Obtain linear equation in x, with logarithm(s) allow $2x + 1\log 3 = \log 4^{100}$	$\text{A1 } 2x + 1 = \log_3 4^{100}$
			$2x + 1 = 126(.18...)$	**dep*M1**	1.1		
			$x = 62.6$	**A1**	1.1	cao	
				[4]			