14	(a) Use the laws of logarithms to show that $\log_{10} 200 - \log_{10} 20$ is equal to 1.	[2]
	The first three terms of a sequence are $\log_{10} 20$ , $\log_{10} 200$ , $\log_{10} 2000$ .	
	<b>(b)</b> Show that the sequence is arithmetic.	[2]
	(c) Find the exact value of the sum of the first 50 terms of this sequence.	[2]