7	(a)	An athlete runs the first mile of a marathon in 5 minutes. His speed reduces in such a way that each mile takes 12 seconds longer than the preceding mile.
		(i) Given that the n th mile takes 9 minutes, find the value of n . [2]
		(ii) Assuming that the length of the marathon is 26 miles, find the total time, in hours and minutes, to complete the marathon. [2]
	(b)	The second and third terms of a geometric progression are 48 and 32 respectively. Find the sum to infinity of the progression. [4]