Question 8	(9 marks)
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A farmer has a large lake on his farm and has started stocking it with fish of a variety that will flourish in the conditions in this lake. Monitoring has shown that the number of adult fish is increasing at a consistent rate of 9% per month and at the beginning of 2020 the lake holds 660 of the adult fish.

or the	adult listi.	
(a)	Write a recursive rule to give the number of adult fish in the lake at the end of earth from the beginning of 2020.	ach month (2 marks)
(b)	Deduce a rule for the n^{th} term of this sequence.	(2 marks)
	rmer plans to allow the general public to pay to fish in the lake. This will commenting of the next month after the adult fish population first reaches 4000. Determine how many months after the beginning of 2020 fishing will commence	