8	The sum S_n of the first n terms of an arithmetic series is given by $S_n = 2n(n+3)$	
	(a) Find the first term of the series.	(1)
	(b) Find the common difference of the series.	(2)
	The n th term of the series is T_n	
	Given that $6S_{(n-4)} = 7T_{(n+3)}$	
	(c) find the value of <i>n</i> .	
		(6)

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