

14	$5n^2 + 3n - 12$	M1	<p>for correct start to a method to find the nth term, eg equal 2nd differences imply a term in n^2 or gives the sequence 5, 20, 45, 80, 125, ... or gives a quadratic expression which includes the term $5n^2$</p> <p>OR states $2a = 10$ or $3a + b = 18$</p>	<p>Need to see constant second difference found and n^2 A quadratic expression of the form $5n^2 + bn + c$ can be awarded the first mark $a = 5$ or $b = 3$ implies M1</p>
		M1	<p>for working with $5n^2$, eg $5n^2$ and sequence $-9, -6, -3, , \dots$ OR states $2a = 10$ and $3a + b = 18$</p>	<p>$5n^2 + 3n$ implies M2 $a = 5$ and $b = 3$ implies M2</p>
		A1	<p>for $5n^2 + 3n - 12$</p>	