Paper: 1MA1/1H

Question	Answer	Mark	Mark scheme	Additional guidance
15 (a)	$5n^2 + 2n - 4$	M1	for a correct start to a method to find the nth term, eg constant 2nd differences and n^2 **OR** states $2a = 10$ **or** $3a + b = 17$	Need to see constant 2nd difference found and n^2 Condone use of a different variable throughout $a = 5$ **or** $b = 2$ implies M1
		M1	for working with $5n^2$, eg $5n^2$,and sequence –2, 0, 2, ... **OR** states $2a = 10$ **and** $3a + b = 17$	$5n^2 + 2n$ implies M2 $5n^2$ is implied by 5, 20, 45, … $a = 5$ **and** $b = 2$ implies M2
		A1	for $5n^2 + 2n - 4$ oe	Condone $+ -4$
(b)	1.2	M1	for substituting values, eg $4 = k \times 9 + k$ **or** $4 = k(9+1)$ **or** $(k = 0.4)$	
		M1	for (u_3 =) "0.4" × 4 + "0.4" (= 2)	
		A1	for 1.2 oe	