Question	Working	Answer	Mark	Notes
2	$0.5 \times 6 \times 6 \times 5$ (= 90) $0.5 \times \pi \times 3^2 \times 5$ (=22.5π = 70.6858...) or $\pi \times 3^2 \times 5$ (=45π = 141.37166...) '90' – '70.6858.....'	19.3	4	M1 Correct method for volume of **A** M1 Correct method for volume of **B** or correct volume of cylinder M1 Correct method to find the difference in the volume A1 19 – 19.4
3 (a)		$6n + 4$	2	M1 for $6n + k$ (k may be 0 or absent) oe A1 oe eg $10 + (n – 1)6$ or $n \times 6 + 4$
(b)	...40, 46,... −2, 1, 6, 13, 22, 33 46 ... $6n + 4 = n^2 - 3$ oe	e.g. 22 or 46	2	M1 continuing sequence and writing at least 5 terms of 2nd sequence – allow one error or for a correct equation ft part (a) A1 or other number in both sequences eg −2