

Q.	Answer	Mark	Additional Guidance
11. (a) (i)	37.7 cm	2	
(ii)	113 cm <sup>2</sup>	2	
(b) (i)	42.8 cm	3	M:1 A:1 for $24 + \pi r$ A:1 for answer
(ii)	87.5 cm <sup>2</sup>	3	M:1 A:1 for $144 - \frac{\pi r^2}{2}$ A:1 for answer
12. (a)	37	2	
(b) (i)	$5n - 9$	2	A:1 for $5n$ A:1 for $-9$
(ii)	$2(n + 3)$ or equivalent	2	A:1 for $n + 3$ A:1 for $\times 2$
(iii)	$5n - 9 = 2(n + 3)$	1	A:1
(iv)	$n = 5$	2	
Total		100	

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Q.	Answer	Mark	Additional Guidance
1. (a) (i)	3.0415755	2	
(ii)	3.0	1	A:1
(iii)	3.042	1	A:1
(b) (i)	124.499	2	
(ii)	120	1	A:1