

Q.	Answer	Mark	Additional Guidance														
(iii)	$x = 2.56$	1	A:1 allow 2.45 – 2.65														
(iv)	<table><thead><tr><th>x</th><th>$x^2 - x - 4$</th></tr></thead><tbody><tr><td>2.5</td><td>-0.25</td></tr><tr><td>2.6</td><td>+0.16</td></tr><tr><td>2.55</td><td>-0.0475</td></tr><tr><td>2.56</td><td>-0.0064</td></tr><tr><td>2.57</td><td>+0.0349</td></tr><tr><td>2.565</td><td>+0.014225</td></tr></tbody></table>	x	$x^2 - x - 4$	2.5	-0.25	2.6	+0.16	2.55	-0.0475	2.56	-0.0064	2.57	+0.0349	2.565	+0.014225	4	M:1 A:1 A:1
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	$x = 2.56$		A:1														
12. (i)(a)	0.250 cm	3	M:1 A:1 $r = 1.57/2\pi$ A:1 for answer														
(b)	0.196 cm ²	2															
(c)	9.81 cm ³	1	A:1														
(ii)	35.3 litres	2															
(iii)	22 cm	2															
13. (a)	37	2															
(b) (i)	$5n - 9$	2															
(ii)	$2(n + 3)$ or equivalent	2															
(iii)	$5n - 9 = 2(n + 3)$	1	A:1														
(iv)	$n = 5$	2															
Total		100															