

2	(a)	$\frac{0.25}{2}(1 + 0.7071 + 2(0.970 + 0.8944 + 0.8))$	B1	1.1	Obtain all five ordinates and no others: 0.7071, 0.8944, 1, 0.8, 0.970	Accept exact values: $1, \frac{4}{\sqrt{17}},$ $\frac{2}{\sqrt{5}}, \frac{4}{5}, \frac{1}{\sqrt{2}}$
		0.880	M1	1.1a	Use correct structure for trapezium rule with $h = 0.25$	x -coordinates used M0 . Omission of large brackets unless implied by correct answer M0
			A1	1.1	0.880 or better (0.87953077)	Accept 0.88 (0.87953077)
			[3]			
2	(b)	“Use smaller intervals” or “use more trapezia”	B1	2.4		
			[1]			