

Question			Answer	Marks	AO	Guidance	
2	(i)		$0.5 \times 0.5 \{ (e^0 + e^{2^2}) + 2(e^{0.5^2} + e^{1^2} + e^{1.5^2}) \}$	B1	1.1	Obtain all five ordinates and no others	Allow decimal equivs (1, 1.284, 2.718, 9.488, 54.598) – 3sf or better B0 if other ordinates seen unless clearly not intended to be used
				M1	1.1a	Use correct structure for trapezium rule with $h = 0.5$	Big brackets need to be seen or implied (40.9 is the result of no brackets) y-values must be correctly placed Must be using attempts at all 5 y-values Must be attempting area between $x = 0$ and $x = 2$
			= 20.6	A1	1.1	Obtain 20.6, or better	Allow more accurate answers in the range [20.64, 20.65)
				[3]			
	(ii)		Use more trapezia, of a narrower width, over the same interval	B1	2.4	Convincing reason	Condone just ‘more trapezia’ or ‘narrower trapezia’ Could refer to ‘strips’ not ‘trapezia’
				[1]			