Ques	tion	Scheme	Marks	AOs	
5		$f(x) = 2x + 3 + 12 x^{-2}$	B1	1.1b	
		Attempts to integrate	M1	1.1a	
		$\int \left(+2x + 3 + \frac{12}{x^2} \right) dx = x^2 + 3x - \frac{12}{x}$	A1	1.1b	
		$\left((2\sqrt{2})^2 + 3(2\sqrt{2}) - \frac{12(\sqrt{2})}{2 \times 2} \right) - (-8)$	M1	1.1b	
		$=16+3\sqrt{2}$ *	A1*	1.1b	
	(5 marks)				
Notes:					
B1:	Correct function with numerical powers				
M1:	Allo	Allow for raising power by one. $x^n \to x^{n+1}$			
A1 :	Corr	Correct three terms			
M1:	Substitutes limits and rationalises denominator				
A1*:	Completely correct, no errors seen				