Question		n	Answer	Marks	AO	Guidance	
5	(a)			M1	1.1a	Attempt to integrate	At least one power
			1.4	A 1	1.1		increases by one
			$\frac{1}{4}x^4\dots$	A1	1.1		
			$-3x^2+c$	A1	1.1	Correct integral including $+c$	
				[3]			
5	(b)	(i)	$\frac{4}{x^2} = 4x^{-2}$	B1	1.1	soi	
			$-4x^{-1}\dots$	M1	1.1a	Attempt to integrate a power not a positive integer	
			-x+c oe	A1	1.1	Correct integral including +c	
						Penalise omission of $+c$ only once	
				[3]			
5	(b)	(ii)	$\int_{1}^{2} \left(\frac{4}{x^{2}} - 1 \right) dx - \int_{2}^{5} \left(\frac{4}{x^{2}} - 1 \right) dx$	M1	3.1a	Add absolute areas	Both M1 and A1 may be
			$\int_{1} \left(\frac{1}{x^{2}} \right)^{1} dx - \int_{2} \left(\frac{1}{x^{2}} \right)^{1} dx$	A1FT	1.1	Correct integrals seen or	implied by correct answer
						$\left[their(ii)(a)\right]_1^2 - \left[their(ii)(a)\right]_2^5$	
			$Area = 2\frac{4}{5} oe$	A1	1.1	BC	SC1 for $-\frac{4}{5}$ or $\frac{4}{5}$
				[3]			