Question	Scheme	Marks	AOs	
1	$x^n \rightarrow x^{n+1}$	M1	1.1b	
	$\int \left(8x^{3} - \frac{3}{2\sqrt{x}} + 5\right) dx = \frac{8x^{4}}{4} \dots + 5x$	A1	1.1b	
	$= \dots - 2 \times \frac{3}{2} x^{\frac{1}{2}} + \dots$	A1	1.1b	
	$= 2x^4 - 3x^{\frac{1}{2}} + 5x + c$	A1	1.1b	
		(4)		
		(4	marks)	
Notes				
M1: F	For raising any correct power of x by 1 including $5 \rightarrow 5x$ (not for $+c$ ) Also allow eg $x^3 \rightarrow x^{3+1}$			
A1: H	For 2 correct non-fractional power terms (allow unsimplified coefficients) and may appear on separate lines. The indices must be processed. The + c does not count as a correct term			
A1: F	For the correct fractional power term (allow unsimplified) Allow eg $+-2 \times 1.5\sqrt{x^1}$ .			
P	also allow fractions within fractions for this mark such as $\frac{\frac{3}{2}}{\frac{1}{2}}x^{\frac{1}{2}}$			
A1: A	All correct and simplified and on one line including + c. Allow $-3\sqrt{x}$ or $-\sqrt{9x}$ for $-3x^{\frac{1}{2}}$ .			
Ι	Do not accept $+-3x^{\frac{1}{2}}$ for this mark.			
/ r	Award once a correct expression is seen and isw but if there is any additional/incorrect notation and no correct expression has been seen on its own, withhold the final mark.			
E	Eg. $\int 2x^4 - 3x^{\frac{1}{2}} + 5x + c  dx$ or $2x^4 - 3x^{\frac{1}{2}} + 5x + c = 0$ with no correct expression seen earlier are both A0.			