

Question	Answer	Marks	Guidance
	$\left[ f(x) = \frac{2x^{\frac{2}{3}}}{\frac{2}{3}} - \frac{x^{\frac{4}{3}}}{\frac{4}{3}} \right] [+c]$	<b>B1 B1</b>	$\frac{2}{3}$ and $\frac{4}{3}$ may be seen as sums of 1 and a fraction.
	$5 = 12 - 12 + c$	<b>M1</b>	Substituting (8,5) into an integral.
	$\left[ f(x) = \right] 3x^{\frac{2}{3}} - \frac{3}{4}x^{\frac{4}{3}} + 5$	<b>A1</b>	Fractions in the denominators scores A0.
		<b>4</b>	

