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