Question	Answer	Marks	Partial Marks
11	$\frac{dy}{dx} = \frac{5}{2}\sin 2x(+c)$	**M1**	M1 for $k\sin 2x$
		A1	Condone omission of c
	$\frac{3}{4} = \frac{5}{2}\sin\left(-\frac{\pi}{6}\right) + c$	**M1**	Dep on first M1 for attempt to find c
	$c = 2$	**A1**	
	$y = -\frac{5}{4}\cos 2x + 2x(+d)$	**M1**	M1 for attempt to integrate *their* $\frac{dy}{dx}$
		A1	Condone omission of d
	$\frac{5\pi}{4} = -\frac{5}{4}\cos\left(-\frac{\pi}{6}\right) - \frac{\pi}{6} + d$	**M1**	Dep on previous M1 for attempt to find d
	$d = \frac{17\pi}{12} + \frac{5\sqrt{3}}{8}$ $y = -\frac{5}{4}\cos 2x + 2x + \frac{17\pi}{12} + \frac{5\sqrt{3}}{8}$ or $y = -\frac{5}{4}\cos 2x + 2x + 5.53$	**A1**	Must have the equation for A1