Question Number	Scheme	Marks
4	$\frac{\mathrm{d}y}{\mathrm{d}x} = 2\mathrm{e}^{2x}\cos 3x - 3\mathrm{e}^{2x}\sin 3x$	M1A1A1 [3]
M1	Differentiate wrt x. Two terms either added or subtracted. Terms to be one of each of $p\mathrm{e}^{2x}\cos 3x$ and $q\mathrm{e}^{2x}\sin 3x$ where p and q are integers.	
A1	Either term correct	
A1	The other term correct	
NB	If the product rule is quoted and brackets omitted on application eg $2\mathrm{e}^{2x}\cos 3x + \mathrm{e}^{2x} - 3\sin 3x$ allow for "invisible brackets" and award M1A1A0. If final statement fully correct award M1A1A1	