Question			Answer	Mark	Guidance
1	(a)		$-4e^{-4x}$ oe	**B2** **[2]**	B1 for e^{-4x} seen as part of answer, not in denominator
1	(b)		By quotient rule $\frac{(x+1)\times 2x - x^2\times 1}{(x+1)^2}$	**B1** **B1**	B1: correct denominator & 1 correct term in numerator, any form ISW
			Alternative method – chain rule or $-(x+1)^{-2}\times x^2 + (x+1)^{-1}\times 2x$	**B1** **B1**	B1 for either term correct ISW
			$(=\frac{x(x+2)}{(x+1)^2}$ or $\frac{x^2+2x}{x^2+2x+1})$	**[2]**	