Question			Answer	Mark	AO	Guidance
3			$\int \frac{1}{x+2}\,dx = \ln(x+2)$	M1	1.1	**DR** Integrate and obtain expression involving ln. This may be combined with the next step. Ignore limits. Brackets (x+2) soi If a substitution is used then only award this mark when $\ln(x+2)$ reached or an equivalent integral with appropriate limits (typically $\ln x$ with limits 2 and 4.5).
			$\left[\ln(x+2)\right]_0^{2.5} = \ln 4.5 - \ln 2$ or $\ln \frac{4.5}{2}$	M1	1.1	Substitute and use limits 0 & 2.5 (or appropriately changed limits in the case of a substitution) in their ln integral. Must see this step.
			$= \ln \frac{9}{4}$ or $\ln 2.25$ or $2\ln\left(\frac{3}{2}\right)$ etc	A1	1.1	www, any equivalent exact form, but must be a single term expression. Do not accept $\ln \frac{4.5}{2}$ for this mark.
				[3]		Correct answer with no working SC**B1** [1/3] Ignore use of modulus signs throughout.