Question	Scheme	Marks	AOs
2(a)	$\frac{6x-5}{2x+1}=3\pm\frac{...}{2x+1}$	M1	1.1b
	$\frac{6x-5}{2x+1}=3-\frac{8}{2x+1}$	A1	1.1b
		(2)	
(b)	$\frac{...}{2x+1}\rightarrow ...\ln\lvert 2x+1\rvert$	M1	1.2
	$\int \mathrm{f}(x)\,\mathrm{d}x = 3x-4\ln\lvert 2x+1\rvert+c$	A1ft	1.1b
		(2)	
			(4 marks)

Notes:

(a)

M1: States $A=3$ or writes $\frac{6x-5}{2x+1}=3\pm\frac{...}{2x+1}$

A1: Correct expression $3-\frac{8}{2x+1}$

(b)

M1: Recalls that $\frac{\cdots}{2x+1}$ integrates to $\ldots\ln\lvert 2x+1\rvert$ accept $...\ln(2x+1)$ Ignore any other terms for this mark.

The … must be constant in both cases.

A1ft: Correct integration, following through on their *A* and *B*, including the + *c*. Accept $\ln(2x+1)$ for $\ln\lvert 2x+1\rvert$