

Popime 13A1 m 96

$$\int_1^3 \frac{6x+3}{2x^2+3x} dx \rightarrow \left[\ln |2x^2+3x| \right]_1^3$$

$$\ln 24 - (\ln 5) \rightarrow \ln 24 - \ln 5$$

m 106

$$\int_{\frac{\pi}{6}}^{\frac{\pi}{2}} \frac{\cos x}{\sin x + 1} dx \rightarrow \left[\ln |\sin x + 1| \right]_{\frac{\pi}{6}}^{\frac{\pi}{2}} \rightarrow \ln 2 - \ln \frac{3}{2}$$

m 114

$$\int_0^{\frac{\pi}{2}} \frac{\cos x}{(\sin x + 1)^2} dx \rightarrow \int \cos x \cdot (\sin x + 1)^{-2} dx \rightarrow \frac{(\sin x + 1)^{-1}}{-1}$$

$$\left[-\frac{1}{\sin x + 1} \right]_0^{\frac{\pi}{2}} \rightarrow -\frac{1}{2} - 0 \rightarrow +\frac{1}{2}$$

m 119

$$\int_0^{\pi} \frac{\sin x}{\sqrt{3+\cos x}} dx \rightarrow \int_0^{\pi} -\sin x \cdot (3+\cos x)^{-\frac{1}{2}} dx$$

$$\rightarrow \frac{-(3+\cos x)^{\frac{1}{2}}}{\frac{1}{2}} \rightarrow \left[-2\sqrt{3+\cos x} \right]_0^{\pi} \rightarrow -2\sqrt{2} - 4$$

m 122

$$\int_{\frac{\pi}{8}}^{\pi} \sin 2x + \cos 6x \, dx$$

DB ?





