> $\int \frac{1}{1+\sin(x)}\,dx$

$$-\frac{2}{\tan\left(\frac{1}{2}x\right)+1} \quad \textbf{(1)}$$

> $\int \frac{1}{\cos(x)\cdot(\sin(x)-\cos(x))}\,dx$

$$\ln(\tan(x)-1) \quad \textbf{(2)}$$

> $\int \frac{1}{x^5-x}\,dx$

$$\frac{1}{4}\ln\left(x^2+1\right)-\ln(x)+\frac{1}{4}\ln(x-1)+\frac{1}{4}\ln(x+1) \quad \textbf{(3)}$$

> $\int_1^4 \sqrt{1+\frac{9}{4}x}\,dx$

$$-\frac{13}{27}\sqrt{13}+\frac{80}{27}\sqrt{10} \quad \textbf{(4)}$$

> $evalf\left(-\frac{13}{27}\sqrt{13}+\frac{80}{27}\sqrt{10}\right)$

$$7.633705415 \quad \textbf{(5)}$$

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