

$$\int (ax + b)^n \, dx = \frac{1}{a} \frac{(ax + b)^{n+1}}{n + 1} + c$$

$$\int e^{ax+b} \, dx = \frac{1}{a} e^{ax+b} + c$$

$$\int \frac{1}{ax + b} \, dx = \frac{1}{a} \ln|ax + b| + c$$

$$\int \frac{f'(x)}{f(x)} \, dx = \ln|f(x)| + c$$

$$\int \cos(ax + b) \, dx = \frac{1}{a} \sin(ax + b) + c$$

$$\int \sin(ax + b) dx = -\frac{1}{a} \cos(ax + b) + c$$

$$\int \sec^2(ax + b) dx = \frac{1}{a} \tan(ax + b) + c$$

$$\int \operatorname{cosec}(ax + b) \cot(ax + b) dx = -\frac{1}{a} \operatorname{cosec}(ax + b) + c$$

$$\int \operatorname{cosec}^2(ax + b) dx = -\frac{1}{a} \cot(ax + b) + c$$

$$\int \sec(ax + b) \tan(ax + b) dx = \frac{1}{a} \sec(ax + b) + c$$