

$$\int \frac{dx}{x-a}$$

$$\int \frac{dx}{(x-a)^k}$$

$$\int \sin mx \, dx$$

$(m \neq 0)$

$$\int \cos mx \, dx$$

$$\int e^{-3x} \, dx$$

$$\int \frac{dx}{\sqrt{a^2 - x^2}}$$

$$\int \frac{dx}{a^2 + x^2}$$

$$\int \frac{(e^x - 1)(e^{2x} + 1)}{e^x} \, dx$$