

$$k_f = \frac{f(x_1) - f(x_0)}{x_1 - x_0} = \tan \varphi$$

$$f(g(x))' = f'(g(x)) \cdot g'(x)$$

$$(\cos x)' = -\sin x \quad (\sin x)' = \cos x$$

$$(u \cdot v)' = u' \cdot v + v' \cdot u$$

$$(\ln x)' = \frac{1}{x}$$

$$\int (x^n \cdot dx) = \frac{x^{n+1}}{n+1} + c \quad (n \neq -1)$$

$$n = -1 \quad \int \frac{dx}{x} = \ln|x| + c$$

$$\int (e^x \cdot dx) = e^x + c$$

$$\int (\sin x \cdot dx) = -\cos x + c$$

$$\int (\cos x \cdot dx) = \sin x + c$$

$$\int (k \cdot dx) = k \cdot x + c$$

$$\int (f(x) + g(x)) = \int f(x) + \int g(x)$$

$$\int (k \cdot f(x) \cdot dx) = k \cdot \int f(x) \cdot dx$$