

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$y = mx + b$$

$$y - y_1 = m(x - x_1)$$

$$\frac{d}{dx} c = 0$$

$$\frac{d}{dx} x^k = k \cdot x^{k-1}$$

$$\frac{d}{dx} e^x = e^x$$

$$\frac{d}{dx} \ln x = \frac{1}{x}$$

$$\frac{d}{dx} a^x = a^x \ln a$$

$$\frac{d}{dx} \log_a x = \frac{1}{x} \cdot \frac{1}{\ln a}$$

$$\frac{d}{dx} [c \cdot f(x)] = c \cdot \frac{d}{dx} f(x)$$

$$\frac{d}{dx} [f(x) \pm g(x)] = \frac{d}{dx} f(x) \pm \frac{d}{dx} g(x)$$

$$\frac{d}{dx} [f(x) \cdot g(x)] = f(x) \cdot g'(x) + g(x) \cdot f'(x)$$

$$\frac{d}{dx} \left[\frac{f(x)}{g(x)} \right] = \frac{g(x) \cdot f'(x) - f(x) \cdot g'(x)}{[g(x)]^2}$$

$$\frac{d}{dx} [f(g(x))] = f'(g(x)) \cdot g'(x)$$

$$\frac{d}{dx} [g(x)]^k = k[g(x)]^{k-1} \cdot g'(x)$$

$$\int k dx = kx + C$$

$$\int x^n dx = \frac{1}{n+1} x^{n+1} + C$$

$$\int \frac{1}{x} dx = \ln|x| + C$$

$$\int e^{ax} dx = \frac{1}{a} e^{ax} + C$$

$$E(x) = \frac{-x \cdot D'(x)}{D(x)}$$

$$\int_0^Q D(x) dx - QP$$

$$QP - \int_0^Q S(x) dx$$