

$$\frac{d}{dx} \text{ constant}$$

$$\frac{d}{dx} x^n$$

$$\frac{d}{dx} \sin x$$

$$\frac{d}{dx} \cos x$$

$$\frac{d}{dx} \tan x$$

$$\frac{d}{dx} \csc x$$

$$\frac{d}{dx} \sec x$$

$$\frac{d}{dx} \cot x$$

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

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

$$nx^{n-1}$$

$$0$$

$$-\sin x$$

$$\cos x$$

$$-\csc x \cot x$$

$$\sec^2 x$$

$$-\csc^2 x$$

$$\sec x \tan x$$

$$e^x$$

$$a^x \ln a$$

$$\frac{d}{dx} \log_b x$$

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

$$\frac{d}{dx} \sin^{-1} x$$

$$\frac{d}{dx} \cos^{-1} x$$

$$\frac{d}{dx} \tan^{-1} x$$

$$\frac{d}{dx} \csc^{-1} x$$

$$\frac{d}{dx} \sec^{-1} x$$

$$\frac{d}{dx} \cot^{-1} x$$

$$\frac{d}{dx} (fg)$$

$$\frac{d}{dx} \left(\frac{f}{g} \right)$$

$$\frac{1}{x}$$

$$\frac{1}{x \ln b}$$

$$\frac{-1}{\sqrt{1-x^2}}$$

$$\frac{1}{\sqrt{1-x^2}}$$

$$\frac{-1}{|x|\sqrt{x^2-1}}$$

$$\frac{1}{1+x^2}$$

$$\frac{-1}{1+x^2}$$

$$\frac{1}{|x|\sqrt{x^2-1}}$$

$$\frac{gf' - g'f}{g^2}$$

$$fg' + f'g$$