- $\frac{d}{dx}\ k \cdot f(x) = k f'(x)$
- $\frac{d}{dx}\left(f(x) + g(x)\right) = f'(x) + g'(x)$
- $\frac{d}{dx}\left(f(x) \cdot g(x)\right) = f'(x)g(x) + f(x)g'(x)$. Leibniz.
- $\frac{d}{dx}\left(\frac{f(x)}{g(x)}\right) = \frac{f'(x)g(x) - f(x)g'(x)}{g(x)^2}$
- $\frac{d}{dx} f(g(x)) = f'(g(x)) \cdot g'(x)$ └ Inre derivata.

"Minnesregel": $\frac{df}{dx} = \frac{df}{dg}\frac{dg}{dx}$"

- $\frac{d}{dx} \ln x = \frac{1}{x}$
- $\frac{d}{dx} e^x = e^x$
- $\frac{d}{dx} \sin x = \cos x$
- $\frac{d}{dx} \cos x = -\sin x$
- $\frac{d}{dx} \tan x = \frac{1}{\cos^2 x} = 1 + \tan^2 x$
- $\frac{d}{dx} \cot x = -\frac{1}{\sin^2 x} = -1 - \cot^2 x$

- $\frac{d}{dx} \arcsin x = \frac{1}{\sqrt{1-x^2}}$
- $\frac{d}{dx} \arccos x = \frac{1}{-\sqrt{1-x^2}}$
- $\frac{d}{dx} \arctan x = \frac{1}{1+x^2}$