Formulario de Cálculo Diferencial - Schodule ®

Importante:

u, v, w **son funciones.**

a, c, n **son constantes.**

- $\frac{dC}{dx} = 0$
- $\frac{dx}{dx} = 1$
- $\frac{d(u+v-w)}{dx} = \frac{du}{dx} + \frac{dv}{dx} - \frac{dw}{dx}$
- $\frac{dCv}{dx} = C\frac{dv}{dx}$
- $\frac{duv}{\alpha x} = u\frac{dv}{\alpha x} + v\frac{du}{dx}$
- $\frac{dv^n}{\alpha x} = nv^{n-1}\left[\frac{dv}{dx}\right]$
- $\frac{d\frac{u}{v}}{dx} = \frac{v\frac{du}{dx} - u\frac{dv}{dx}}{v^2}$
- $\frac{d\ln|v|}{dx} = \frac{1}{v} * \frac{dv}{dx}$
- $\frac{da^v}{dx} = a^v \ln|a|\left[\frac{dv}{dx}\right]$
- $\frac{de^v}{dx} = e^v\left[\frac{dv}{dx}\right]$
- $\frac{du^v}{dx} = vu^{v-1}\left[\frac{du}{dx}\right] + u^v \ln|u|\left[\frac{dv}{dx}\right]$
- $\frac{d\log_B v}{dx} = \frac{1}{v\ln|B|}\left[\frac{dv}{dx}\right]$

Derivadas Trigonométricas

- $\frac{d\,sin(v)}{dx} = cos(v)\left[\frac{dv}{dx}\right]$
- $\frac{d\cos(v)}{dx} = -\sin(v)\left[\frac{dv}{\alpha x}\right]$
- $\frac{d\tan(v)}{dx} = \sec^z(v)\left[\frac{dv}{dx}\right]$
- $\frac{d\cot(v)}{dx} = -\csc^z(v)\left[\frac{dv}{dx}\right]$
- $\frac{d\sec(v)}{dx} = \sec(v)\tan(v)\left[\frac{dv}{dx}\right]$
- $\frac{d\csc(v)}{dx} = -\csc(v)\cot(v)\left[\frac{dv}{dx}\right]$