1. Ableé Freugen Talselle wichtiger f(x) = 0 $\int \left(\times \right) =$ N, × U-1 Sin x C95 X cos x - sin x log (e)- ex Q^{\times} log × loga X log (9) X Ablei fungsregel ö [] Fohtorregel : (ceR) $f(x) = c \cdot g(x)$ + $(\times) = (\times)$ vorgezoger werden Konstanter Fehtor Olars $Bsp: +(x) = 2x^2$ $f'(x) = 2(x^2)' = 2 \cdot \lambda x = 4x$ (1) Summenregel: f(x) = g(x) + h(x) =f(x) = g(x) + h(x)BSp: $f(x) = x^3 + x^2 - x - 1$ $f'(x) = 3x^2 + 2x - 1$ & following $(-1, x^4)$ (II) Produktregel? $f(x) = g(x) \cdot h(t) = f(x) = g(x)h(x) + g(x)h'(t)$

Bsp: f(x) = x sin(x)

 $= \int f(x) = \int \cdot Sin(x) + X \cdot Cos(x)$