DERIVADAS DE FUNCIONES

$$f(x) = a f'(x) = 0 f(x) = x f'(x) = 1 f(x) = ax f'(x) = a f'(x) = a f'(x) = a f(x) = ax + b f'(x) = a f'(x) = nx^{n-1} f'(x) = \frac{1}{2\sqrt{x}} f(x) = e^x f'(x) = e^x f'(x) = e^x f'(x) = a^x \ln(a) f'(x) = -nx^{-n-1} = -nx^{-(n+1)} = \frac{-n}{x^{n+1}} f(x) = \sin(x) f'(x) = \cos(x) f'(x) = -\sin(x) f'(x) = -\sin(x) f'(x) = \sin(x) f'(x) = \sin(x) f'(x) = \sin(x) f'(x) = \sin(x) f'(x) = g(x) \pm h(x) f'(x) = g'(x) \pm h'(x) f(x) = g(x) + h(x) f'(x) = g'(x) + h(x) + g(x) + h'(x) f(x) = \frac{g(x)}{h(x)} f'(x) =$$

$$\begin{split} f'\left(x\right) &= \frac{g'(x) \cdot h(x) - g(x) \cdot h'(x)}{h^2(x)} \\ f\left(x\right) &= k \cdot g(x) & f'\left(x\right) = k \cdot g'(x) \\ f\left(x\right) &= g \circ h = g(h(x)) & f'\left(x\right) = (g' \circ h) \cdot h' = g'(h(x)) \cdot h'(x) \end{split}$$