

DERIVATE FONDAMENTALI

$$f(x) = k$$

$$f'(x) = 0$$

$$f(x) = x$$

$$f'(x) = 1$$

$$f(x) = x^\alpha$$

$$f'(x) = \alpha x^{\alpha-1}$$

$$f(x) = e^x$$

$$f'(x) = e^x$$

$$f(x) = \sqrt{x}$$

$$f'(x) = -\frac{1}{2\sqrt{x}}$$

$$f(x) = \ln x$$

$$f'(x) = \frac{1}{x}$$

$$f(x) = \log_a x$$

$$f'(x) = \frac{1}{x} \cdot \log_a e$$

$$f(x) = b^x$$

$$f'(x) = b^x \cdot \ln b$$

$$f(x) = \tan x$$

$$f'(x) = 1 + \tan^2 x \vee \frac{1}{\cos^2 x}$$

$$f(x) = \sin x$$

$$f'(x) = \cos x$$

$$f(x) = \cos x$$

$$f'(x) = -\sin x$$

$$f(x) = \arcsin x$$

$$f'(x) = \frac{1}{\sqrt{1-x^2}}$$

$$f(x) = \arccos x$$

$$f'(x) = \frac{1}{\sqrt{1-x^2}}$$

$$f(x) = \arctan x$$

$$f'(x) = \frac{1}{1+x^2}$$