

$$h(g(S_{(M)}))' = h'(g(S_{(M)})) \cdot (g(S_{(M)}))' = h'(g(S_{(M)}) \cdot g'(S_{(M)}) \cdot S'_{(M)} \cdot S'_{(M$$

· ES: (lm (2x1)'. f (x1 = 2x; f(x1 = 2

9(4) = 69; 9(4) = 69.

 $\frac{\left(\left(\cos x\right)^{2}\right)^{2} = 2\left(\cos x\right) \cdot \left(-\sin x\right) = -2 \cdot \cos x \cdot \sin x}{g(5x)}$ 

 $g(y) = \ln y; g'(y) = \frac{1}{y}.$ 

Quindi:

 $(2m(2x))^{1} = \frac{1}{2x} \cdot 2 = \frac{1}{x}$ 

· ES: (e 2x) . f(x) = 2x; f(x) = 2

Quindi:
$$(e^{2x})^{\frac{1}{2}} = e^{2x} \cdot z$$

Solicitics

Quindi:
$$(e^{2x})^{\frac{1}{2}} = e^{2x} \cdot z$$

Quindi:
$$(e^{2x})^{\frac{1}{2}} = e^{2x} \cdot \frac{1}{2\sqrt{3}}$$

Non abhitume calculates be derivate di anctam, accim, ancies. Abhitume visto che l'esponsione asimitatico di anctam  $e^{\frac{1}{2}} \cdot \cot x = x + o(x_1) \text{ poc} x + o \cdot \Omega_{\text{minor}}$ 

Solicitics di anctam  $e^{\frac{1}{2}} \cdot \cot x = x + o(x_1) \text{ poc} x + o \cdot \Omega_{\text{minor}}$ 

When abhitume  $e^{\frac{1}{2}} \cdot \cot x = \frac{1}{2\sqrt{3}}$ 

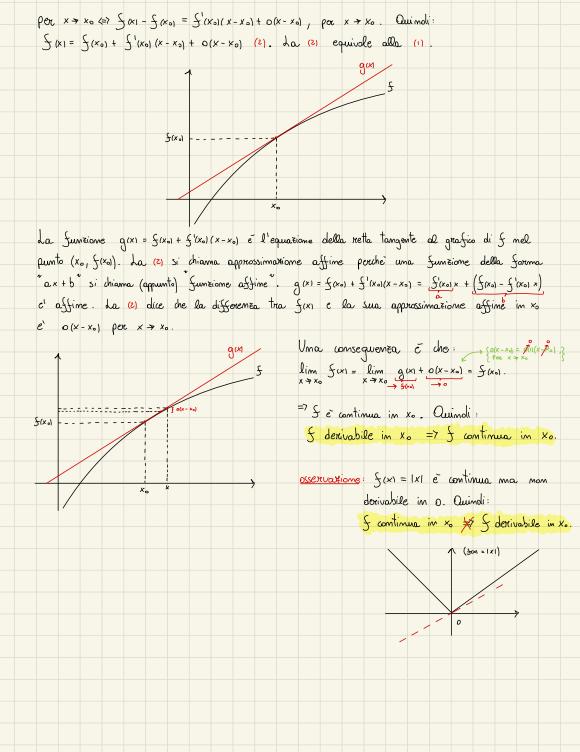
Sections  $e^{\frac{1}{2}} \cdot \cot x = \frac{1}{2\sqrt{3}}$ 

Continuous Mella Sortinula por 
$$(5^{-1})^1$$
 posso usane anihe la Variable  $x$ :

$$(5^{-1})^1(x) = \frac{1}{5^1(5^{-1}x)}$$

Applications
$$(5^{-1})^1(x) = \frac{1}{5^1(5^{-1}x)}$$

Of (antian  $x$ ) =  $\frac{1}{6x^2 + 2}$  =  $\frac{1}{6x^2 + 2}$ 



Pierluigi Covone - 19.11.2021