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Clase 13/04
                       f(x) = 4
                                                      (f(x)) g(x)
                    f(x) = \omega_{5x} + \alpha_{11}x
       y + x y =0
                 xy = - y
                    y' = -\frac{y}{2} = -\frac{1}{-6} = -\frac{1}{6} = -\frac{1}{6}
           tan(x+y) = x (0,0) tan x 5ac^2 x
       q)
             \Rightarrow 5ac^{2}(x+y)(1+y') = 1 = (1)^{2}
             500°(x+y) + y'500° (x+y)=1 500°0= 1=1
                       y= 1-50c2(x+y) = 1-1=0,
                   func. glavadas a funciones
                f(x) = \frac{(\cos x) \sin x}{\ln f(x)} = \frac{\ln(\cos x) \sin x}{\ln \cos x}
                                           \sqrt{(\cos x)} = 3 \cos^2 x \cdot (-\sin x)
5^{94nx'}
     7 Inf(x) = sonx. In(wsx)
       \frac{1}{f(x)} = cosx \ln(\cos x) + \operatorname{San} x \cdot \frac{1}{\cos x} \cdot (-\sin x).
          f(x)=f(x)[cosx In(cosx) - san2x]
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$$= \frac{1}{3} \frac{$$

1 . u'= 2 cosx. (- sanx). lnx + cosx. 1 $G = \chi \cos^3 x \left[-2 \cos x \sin x \ln x + \frac{\cos^3 x}{2} \right]$ Danivadas de Ordan Superior. f(x) = f(x) - f(x) f''(x) f'''(x) f(x) f(x) f(x)f(2) 7 f(x)= san4x2 6; P(x)= 45anx cosx 2x f(x)= 8x San(x2) (os(x2). € $f^{(2)}(x) = 8 \sin^3(x^2)\cos(x^2) + 8x \cdot 3 \sin^2(x^2) \cdot \cos(x^2) \cdot 2x \cdot \cos(x^2)$ +8x 5an3(x1).(-San x1).2x. $f^{(1)}(x)$: 8 San $f^{(2)}(x^2)$ ws($f^{(2)}(x^2)$) + 48 $f^{(2)}(x^2)$ cos $f^{(2)}(x^2)$ - 16 $f^{(2)}(x^2)$ - 17 $f^{(2)}(x^2)$ - 18 $f^{(2)$ t (x/= $(5^{\cos x})' = 5^{\cos x} | n5, (-5anx).$ 5x = 5x/n5. 4"=? y.x + 2x2 = y Éj y'x + y + 4x = y'

