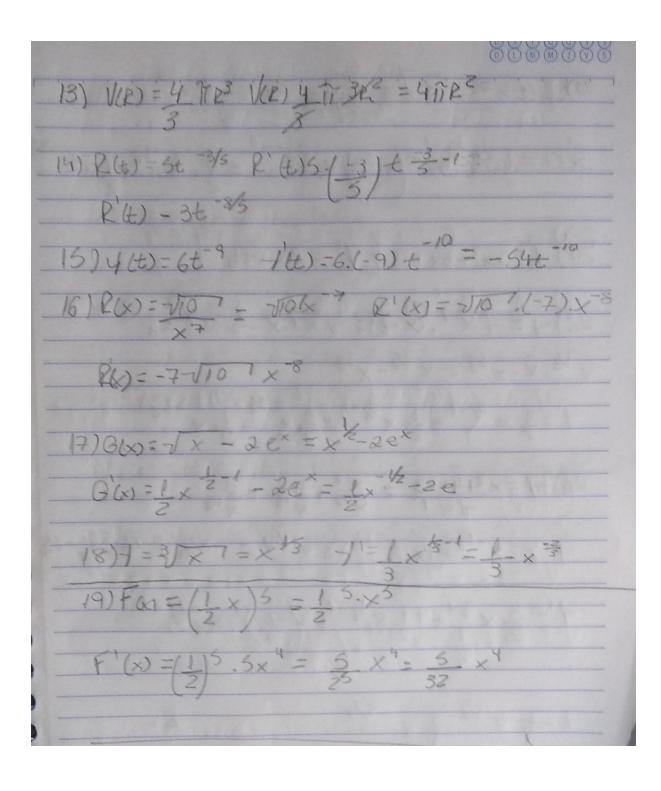
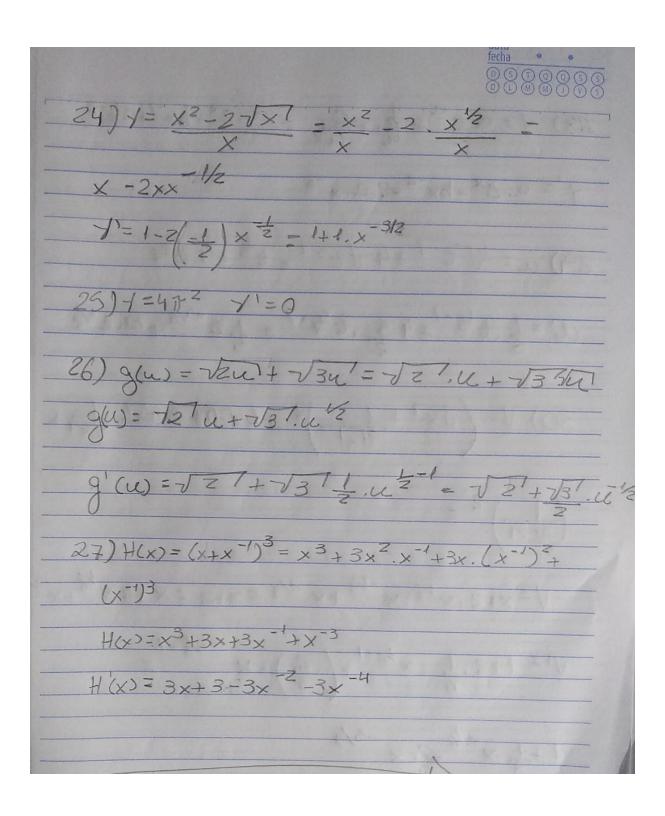
1a LISTA DE EXERCÍCIOS DERIVADA

Lucas Barbosa Brancalhão

3) f(x) = 186,5 f(x) =0
- 57 (A) - 100,5 (A) - 100
4) $f(x) = \sqrt{30}^{7}$ $f'(x) = 0$
5) $f(x) = 5x - 1$ $f'(x) = 5.1 - 0 = 5$
- $ -$
6) f(x) = -4x 10 f(x) = -4.10 10-1= 40x 9
-> N/ > 3 /1 > c - N: -3 2 11
$7+)$ $f(x) x^3 - 4x + 6 = f(x) = 3x^2 - 4$



20) f(t) = 0 t - 1 = t/2-t-1/2 P(X) = 1 + 1/2 - (-1/2) + 1/2 - = 1 + 1/2 + 1/2 + 1/2 + 1/2 + 21) 4= ax3+bx+0 4 4 = 2.ax+b) 22) y= -[x1, (x-1)= -[x1,x--]x1= x 12, x - x 12 = x 3/2 - x 2 1=3×3-1-1×2-1-3×12-1-1/2 23) 7=x44x+3 - x2 + 4x + 3 4= x2, x-12+4x, x-1/2+3, x-1/2 = x3/2+4x1/2+3x 1=3×3-1+41×2-1+3(-1).x-==



28) y= ae + b + c - a.ex+bx+cx-2 1 = a.ex-bx-2-2.c.x-3 29) u= It +4 J+51 = +3 +4.+3= W=1+13-1+45 t = 1 t -45; 10. +3/2 30) V= (Vx'+1) = (Vx0+2 Vx'. \\
\frac{1}{2\x'} V= x+2.x 12.x 13 +x -2/3 = x+2 = x +2 x 13+x 13 V= 1+2.1 x 6-1 + (2) x = 2/3-1 1+1 × 5/6 -2 × 5/3