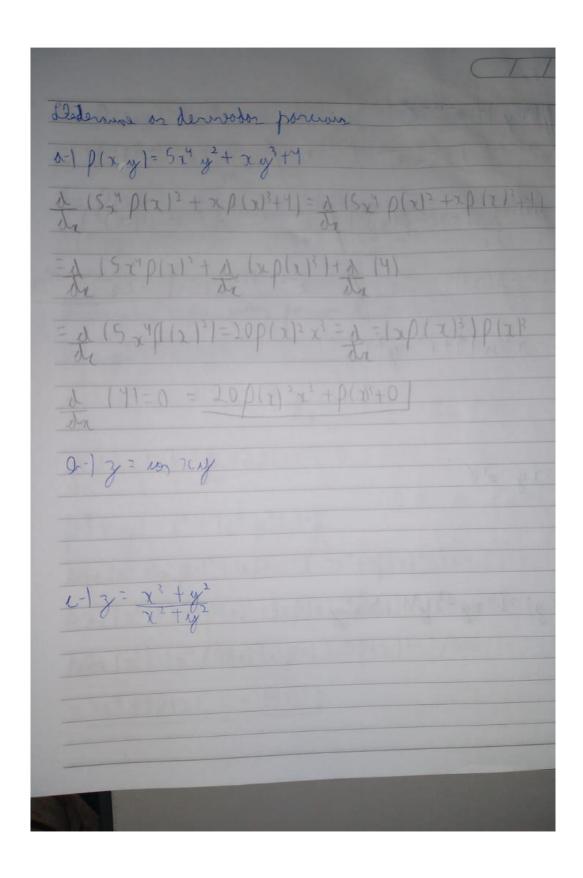
Leonardo Faria Araujo Ciencias da computação



4-1 1 (x y) = 2-x5-2, e-13=x2m(1+x2+y2) P-1 y = xy ory y-10(xy)=(4xy-3y313+5x2y

Ine p(214)=16-92-y2, determos px(1,2) = py(1,2) D. (1,2)=16-4.12-12=16-4+4=16) Ine p(xy) = V4-x24y21, determent px (1,010 py 1,0) 011,01=19-12-4021=54+1=55 Determe or demedos porous de primero ordan do função Plxy1=3x-2y4 1 (3x-) p(x)" -3 / d (3x-) p(x)" / d (3x)-d (2p(x)") A (32)=3/A (2p(2)4)=0/3-0=31 Dtx 41=x5+3x3 x2+3x4 DAY (25 +323 P(x)3+3= P(x)4)=5x4+9P(x)22+3P(x)4 Dr (x9+3x) p(x)+3xp(x)3/dar(x5)+dar(3x3p(x)+1+0x13x94) Mar (x3)-5x4/Ddy (3x2)(x)2)=9p(x)2x2/Max (3xp(x)4)=3p(x)4 = 529+90(2)22+30(2)4)

3: x 038 $\frac{\rho(x,y)=x-y}{x+y} / \frac{\lambda}{2x} \left(\frac{x-\rho(x)}{x+\rho(x)}\right) = \frac{1}{(x+\rho(x))}$ de (x-f(x)) / Day (x-p(x)) (x+p(x)) - Day (x+p(x)) (x+p(x))2 Ma (x-p(x))=1 /(x+p(x))-1 (x-p(x))= 2 p(x)= (x+p(x))= W-reg a non D Plans 1- 2 m (2+22) A (2 la (2+2) / A (2) la (2+2) + A (2 (2+2)) A (2 (2+21)=22