Journa Andrés Murjes Solvirano #7 HT 202100081

1) f (x,y,z) = xy2 + 3x2- z3 f(x,y,z) er (3-7,4) J(2,-1,4)=! Uf(x, y, z)en (7,7,4) + f(x, y, z) = fxi+ /y +/zk = (y2+6x) x+(8xy/) +(-322)

J(2,1,4) = (1-112+12) 27 + (-4) 3 + (-3(4)2) J(2,1,41= 137-43-48R) 1132-43-48R

#2) J(xy)= 202y3 en (1,1) eje =

July 2 20/3, P(1,7), 0 B

DI(x1y)= (4xy3)2+ (6x2y2)1

DS(1,1)= L4(1/(1)3) 2+ (6(1)2(1)2) 7 = 42+65

Duf (1,1 = U.D.)

U=(w)+, Sen+)-L(os(=), Sen(=)>=(5)/2>

Duf (1,1) = < = 1 = >24,6>

Duf(1,1) = 253+3

[2/3+3/

NACP