2

· f(x,生):= 3+3-x++2 ((x,生)ex2) Odifixy) = 3x - 2x - x-2x (0,2) @ def(x, y) = 3y2 +2y = y+2y (0,-2) @ y2+2y=0 Q x2-2x =0 => possible becal extremoi in (0, 0) and (0,-2) t"(0,0) = (-2 0) det=-1x2-0, indefunte f"(a)= (d1) f(a) d12 f(a) 1"(2,0)=(20) det=4>0 . diff)>0=min in a. 1"(0,-2)=(-2 0 -2) f"(x,y) = (2x-2 0 x(x-2)=0=>(x-2) or (x-2) (0,0) (0,-2) y(y+2)=0=> y=0 ov y=-2. (dzif(a) 2 = f(a)/ det=-4 CO, indefunte) det= 4 >0 211 few <0 1) max in a. (2,-2) (2,0) 3, f(x,1) = (x2-2x) 82 f(x1) = (2) +2 7-XC/