$$f_{x} = 3x^{2} - 1dx$$
 $f_{y} = 3y^{2} - 68$
 $f_{xx} = 6x - 18$
 $f_{xy} = 6y$
 $f_{yy} = 6$
 $f_{xy} = 6$
 $f_{xy} = 6$
 $f_{xy} = 6$

Made with Goodnotes

(6,4) A 13 13

(0,4) -136 Saddle.-175-Pf1 (0,-4) 120 Max- -(25.83) (0,4) -244 (0,-4) 12.

 $4x = 3x^2 - 1/x$ ty 2 3y - 48 +xx= 6x-18 D= [(8x-18)] 014): 70 (6,4); >

X: } $4 = x^{-2}$ y 20 ty = 214 + 144 txy =n (2,0) fxxz / (カーを). fyy= 42y+1P >0 (210) 70