(2,0) (0,2) (0,2) $f_x = 2x - 2$ $f_y = 2y$ fx= 5 fx=fx=0 fy=3 D= fxx fy= M 0=24-5 0=24 (\rangle c) f(x,c)=x2-2x f(x,c)=2x-2 (=2x-2 X=1)(f,c) f(0,1/)= y f'(0,1/)= 2y C=2y Y=0 (c,c) Paints: (26), (0,2), (0,-2), (1,0) (0,0) f(2,0)=4+6-4=0 f(0,-2)= 6+4-6=4 f(0,0)=0 F(0,2)=0+4-0=4 F(1,0)=1+0-2=+

Absolute maximum = f(0,2) = f(0,-2) = 4Absolute minimum = f(1,0) = -1