



5 (x - x) = (x - y) = x2 y2 Dam (x,y) ER? 3 Puntos (1. tico)

1) SI = ex²-y² + (x-y)(-2x)ex²- $\frac{8f}{4x} = e^{x^2 - y^2} (1 + (x - y)(-2x))$ 2) $\delta f = -\frac{1}{6}x^2 - y^2 + (x - y)(-2y)(\frac{-x^2 - y^2}{6})$ 59 - 2° - 9° (-1 + (x-y)(-2 y)) St = ex - 3 (1+1-2x + 2x 9]) $\frac{\delta f}{\delta x} = -\frac{x^2 + y^2}{(-2x^2 + 2xy + y)}$ · SI = -x2-92 (-1+[-2xy+2y2]

181 - 0 $-x^{2}-y^{2}(-2x^{2}+2xy+1)=0$ · 1 8 = 0 $= \frac{1}{2} \left(-1 - 2 \times y + 2 y^{2} \right) = 0 - (2)$ i) -2x2 +2xy+1 = 0 (i) -1 - 2xy +2y2 = 0 i) 2 x 2 - 2 x y - 1 = 0 (1) 2y2 - 2xy - 1 = 0 (x+y)(x-y)=0 x = y - No Comple x = - 9) 2 y2 + 2y2 - 1 = 0 0

