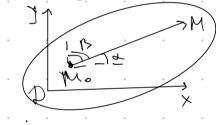
doesure upourposerve

$$\Delta_{x}f = f(x_{0} + \Delta_{x}, y_{0}) - f(x_{0}, y_{0})$$

$$S_{y}f = f(x_{0}, y_{0} + \rho y) - f(x_{0}, y_{0})$$

$$\frac{\partial f}{\partial y} = 0 - \frac{Ayf}{Ay}$$

Typour ro nampal neuro



$$\frac{\partial f}{\partial S} = \frac{1}{4} \cos 2 \frac{$$

Bogane 1

Hatgure be havend manylagnor replans rapogue

a) f(x,y) = x-1

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$$f'_{x} = \frac{(x-y')(x+y) - (x-y)(x+y)'_{x}}{(x+y)^{2}} = \frac{(x+y)^{2}(x+y)^{2}}{(x+y)^{2}}$$

$$f'_{y} = \frac{(x-y')(x+y) - (x-y)(x+y)'_{x}}{(x+y)^{2}} = \frac{-1}{(x+y)^{2}} \frac{-1}{(x+y)^{2}}$$

$$f'_{y} = \frac{(x-y')(x+y) - (x-y)(x+y)'_{x}}{(x+y)^{2}} = \frac{-1}{(x+y)^{2}} \frac{-1}{(x+y)^{2}}$$

$$f'_{y} = -5x^{5} \cos(3x-x^{5}) + x^{5} \cdot (\sin(3x-xy))' = \frac{-1}{(x+y)^{2}}$$

$$f'_{y} = -5x^{5} \cos(3x-x^{5})$$

$$f'_{y} = -5x^{5} \cos(3x-x^{5$$

mp-e repl. rop. 6 (1) Mo 2 = xy ; Mp (455) $\mathcal{Z}'_{x} = \frac{(x+y)^{2}}{(x+y)^{2}} = \frac{(x$ $=\frac{y^{2}}{(x+y)^{2}}$ $=\frac{y^{2}}{(x+y)^{2}}=$ $\frac{2}{3} = \frac{\times (\times + y) - \times \cancel{3} \cdot 1}{(\times + y)^2} = \frac{\times^2}{(\times + y)^2} = \frac{16}{(\times + y)^2} =$ $M_{x} = Z^{y} \left(\frac{\text{kosxy}'(x + y)'}{(1 + x + y)'} \right)$ sinxy (1-x+8y) + cosxy (tey) $u_{y}' = \frac{1}{2} \cdot \left(\frac{x \sin xy}{14x + 9y} + \frac{x \cos xy}{xy} \left(\frac{x}{\cos xy} \right) \right)$ $u_{y}' = \frac{1}{12} \cdot \frac{1}{12}$

