Lec 1/23

$$= \lim_{x \to 0} \lim_{x \to 0} \frac{f(x,y) - f(x,y) - f(x,b) + f(x,b)}{(x-1)^{2}}$$

7-6

$$= \lim_{y \to b} \lim_{x \to a} \frac{f(x,y) - f(x,b) + f(x,b) + f(x,b)}{(x-a)(y-b)}$$

$$F(x,y) \implies \frac{\partial^2 f}{\partial x \partial y} = \lim_{x \to a} \lim_{y \to b} F(x,y)$$

ن ر