PartialDerivatives

$$z = f(x,y)$$

$$\frac{\partial f}{\partial y} \Rightarrow (ThePartialDerivativeOf : f(x,y) with \operatorname{Re} spectTo : x)$$

$$\frac{\partial f}{\partial x} = \frac{\partial}{\partial x}(x^2 y + y^2 + x^2)$$

$$= \frac{\partial}{\partial x}(x^2 y) + \frac{\partial}{\partial x}(y^2) + \frac{\partial}{\partial x}(x^2)$$

$$= 2xy + 0 + 2x = 2xy + 2x = 2x(y+1)$$

$$f(x,y) = xy + Sin(x+y) - e^{xy}$$

$$\frac{\partial}{\partial y}\Big|_{(0,\frac{\pi}{2})} =$$