partial derivatives

A partial derivative is the derivative of a multivariable function with respect to one variable while treating all other variables as constants.

derivatives recap

Before: assume $f(x)$ with derivative $\dfrac{df}{dx}$. What does this mean?

$$\frac{df}{dx} = \lim_{h \to \infty} \frac{f(a+h) - f(a)}{h}$$

$$\frac{df}{dx}(2)$$