House prices

1) Implement by hand equations of derivative using LaTeX (I will use similar format in LibreOffice/ODF, sorry)

$$f_x = \frac{\partial f}{\partial x} = \lim_{h \to 0} \frac{f(x+h, y) - f(x, y)}{h}$$

$$f_x = \frac{\partial f}{\partial y} = \lim_{h \to 0} \frac{f(x, y+h) - f(x, y)}{h}$$

2) Writing equations for housings:

$$dw\, linear : \frac{\delta}{\delta W}[W \cdot x + b] = x$$

$$dx\, linear : \frac{\delta}{\delta x}[W \cdot x + b] = W$$

$$db\, linear : \frac{\delta}{\delta b}[W \cdot x + b] = 1$$

Sorry, I still don't get how to write the rest. I have watched tons of Khan Academy videos on youtube regarding derivatives. I have watched lessons on Coursera regarding Machine Learning, Cost function, Gradient Descent… All the different notations of the same things drive me crazy.