Introduction to Derivatives

Read the information on this site to answer the following questions
http://www.mathsisfun.com/calculus/derivatives-introduction.html or

What is the formula for slope using f and Δx?   Draw a diagram of the derivative.
                                                       Be sure to include Δx and Δy.

When using a derivative, Δx must _____ .

What does $\dfrac{d}{dx}x^2 = 2x$ mean?

Record one of the derivative examples from this webpage below.

What are two formulas for the derivative of f(x)? (Hint: one uses a limit ☺)
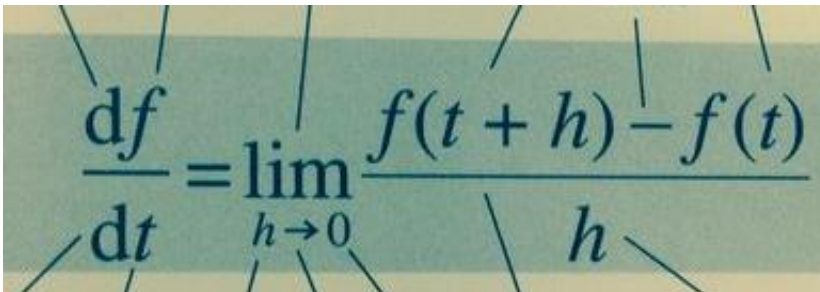

What are two notations for derivative?

The process of finding a derivative is called "_____".

You **do** _____ ... to **get** a _____ .

Fill in a word(s) for the limit definition shown by **visiting** https://goo.gl/rhFoQD .

$$\frac{df}{dt} = \lim_{h \to 0} \frac{f(t+h) - f(t)}{h}$$