By definition, the derivative is  $f'(x) = \lim_{h \to 0} \frac{f(x+h) - f(x)}{h}$ 

 $f'(x) \approx \frac{f(x+h) - f(x)}{f'(x)}$ 

for some appropriately small *h*?

so why not use



approximate-

x + h