

Classwork 1

Saktill

PHYS 220 – Scientific Computing I

(Dated: September 1, 2016)

Problem x.yz. Explain what the definition $f'(x)$ of a function $f(x)$ means.

Solution. The definition of $f'(x)$ is given as

$$f'(x) = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$$