

Quiz 4
Oct. 31, 2007

1. (10 pts) Given function $f(x) = \frac{1}{x}$ (for $x \neq 0$), compute the $f'(2)$ by definition
($f'(a) = \lim_{h \rightarrow 0} \frac{f(a+h) - f(a)}{h}$).

2. (10 pts) Given function $f(x) = \sqrt{x+1}$ (for $x \geq -1$), compute the $f'(x)$ by definition
($f'(x) = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$).