

235 Quiz 4**Name****Section**

October 7, 2010

Work individually. No notebooks. No calculators. Just you, a pencil/pen, and paper.

1. Use the definition of derivative ($h \rightarrow 0$ or $z \rightarrow x$, your choice) to show that the derivative of $f(x) = \frac{1}{x}$ is $f'(x) = \frac{-1}{x^2}$.