## Math 181 Quiz 3 Version B

1. Use the definition of limit in terms of $\delta$ and $\varepsilon$ to explain why $\lim _{x \rightarrow 2} 3 x-1=5$.
2. Use the limit definition of derivative to explain why $f^{\prime}(x)=2 x$ when $f(x)=x^{2}$.
