

Math 181 Quiz 3 Version C

1. Use the definition of limit in terms of δ and ε to explain why $\lim_{x \rightarrow 2} 2x + 1 = 5$.

2. Use the limit definition of derivative to explain why $f'(x) = \frac{1}{2\sqrt{x}}$ when $f(x) = \sqrt{x}$.