

Name: _____

Quiz 12, section 4.2

1. (5 pts) A function $f(x)$ has $f(0) = 2$ and $f(b) = 7$. Use the Mean Value Theorem to find the value b so that there is a point c in the interval $[0, b]$ for which $f'(c) = 2$.

2. (5 pts) If $f(2) = 6$ and $|f'(x)| \leq 2$ for $x \geq 2$, find the maximum and minimum possible values of $f(5)$.