

Math 135, Calculus 1, Fall 2020

Weekly Quiz 10-14

Show all work: clearly indicate your answer and the reasoning used to arrive at the answer. Unsupported answers may not receive full credit.

Question 1. Evaluate $\lim_{x \rightarrow 7} \frac{x^2 + 2x - 63}{x - 7}$, or show that it does not exist.

Question 2. Evaluate $\lim_{x \rightarrow -\infty} \frac{3x^4 + 9x + 4}{5x - 7}$. Be as specific as possible.