

Math 151, Quiz #2, September 21, 2017

1. What is $\lim_{x \rightarrow \infty} \frac{x^2 + 3x - 5}{4x^2 - 5x + 6}$?

2. What is $\lim_{x \rightarrow 3} \frac{2x^2 - 5x - 3}{5x - 15}$?

3. What is $\lim_{x \rightarrow 1} \frac{\sin(\log(x))}{e^x}$?

4. Find all values of $0 \leq x \leq 2\pi$ such that $\sin(2x) = \cos(x)$.