

- To use this as a practice quiz, you should have studied the problem banks in advance.
- Put away all material and set a timer for 10 minutes. (You will have 10 minutes for this quiz in class.)
- Go to your math mentors study hours to check your answers.

Practice Quiz: Limits, Fall 2017

Version: 3

Name (Print): _____ RIN: _____

Math Mentor Name: _____

Rules: Notes, calculators, cell phones and headphones are not allowed.

Honor Code Pledge: I did not violate any rules on this quiz and have no knowledge of any other student violating rules on this quiz. _____ (Signature)

Instructions: Put your final answer in the box shown. No partial credit will be given and nothing outside the box will be graded.

1. Evaluate the limit $\lim_{x \rightarrow 1} \frac{x^2 + 2x + 2}{x + 4}$. Express your answer in simplified form.

2. Evaluate the limit $\lim_{x \rightarrow 4} \frac{x^2 - 16}{x - 4}$. Express your answer in simplified form.

3. Find the value of $\lim_{x \rightarrow 5} \frac{x^2 - 25}{3x - 15}$. Express your answer in simplified form.

4. Find the value of $\lim_{x \rightarrow 4^+} (\ln(x^2 - 16) - \ln(3x - 12))$. Express your answer in simplified form.

5. Evaluate the limit $\lim_{t \rightarrow 100} \frac{100 - t}{10 - \sqrt{t}}$. Express your answer in simplified form.