

Math 165 (Chris Kurth)
Spring 2008
Quiz 1

Show all work. Answers without work will not receive credit.

1. Evaluate:

$$\lim_{x \rightarrow 2} \frac{x^2 - 5x + 6}{x - 2}$$

2. Evaluate:

$$\lim_{x \rightarrow 1^-} \frac{\sqrt{1+x}}{4+4x}$$

3. Evaluate using the limit theorems, showing each step (i.e., not just by substitution):

$$\lim_{x \rightarrow 2} (2x^2 - 3x + 1)$$