

Name: _____

September 12, 2012

I'm in the Thurs11 Thurs12 Thurs1 or Fri10 recitation. (Circle one)

MATH 200 – QUIZ 3

1. $\lim_{\theta \rightarrow 0} 4\theta \sec(\theta) \csc(\theta) =$

2. $\lim_{x \rightarrow 2^+} (x + 3) \frac{|x + 2|}{x + 2} =$

3. State the x-values at which the function $y = \frac{x - 1}{x^2 + 5x - 6}$ is discontinuous.

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1. $\lim_{\theta \rightarrow 0} \frac{\tan(2\theta)}{\theta} =$

2. $\lim_{x \rightarrow 1^-} \sqrt{2x} \frac{(x - 1)}{|x - 1|} =$

3. State the x-values at which the function $y = \frac{x + 1}{x^2 + 3x + 2}$ is discontinuous.

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1. $\lim_{\theta \rightarrow 0} \frac{\sin(3\theta)}{\theta \cos(2\theta)} =$

2. $\lim_{x \rightarrow 1^+} \sqrt{2x} \frac{(x-1)}{|x-1|} =$

3. State the x-values at which the function $y = \frac{x-1}{x^2-4x+3}$ is discontinuous.

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1. $\lim_{\theta \rightarrow 0} \frac{1}{5\theta \csc(\theta) \cos(\theta)} =$

2. $\lim_{x \rightarrow 2^-} (x+3) \frac{|x+2|}{x+2} =$

3. State the x-values at which the function $y = \frac{x-1}{x^2-5x+4}$ is discontinuous.