
Name: _____

QUIZ 4 

MATH 200
September 3, 2024

1. $\lim_{x \rightarrow 0} \frac{x^2 - 4x + 3}{3x^2 + 12x - 15} =$


2. $\lim_{x \rightarrow 1} \frac{x^2 - 4x + 3}{3x^2 + 12x - 15} =$

3. $\lim_{x \rightarrow -5^+} \frac{x^2 - 4x + 3}{3x^2 + 12x - 15} =$

4. $\lim_{x \rightarrow \infty} \frac{x^2 - 4x + 3}{3x^2 + 12x - 15} =$

5. $\lim_{x \rightarrow \infty} \cos\left(\frac{1}{x}\right) =$

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1. $\lim_{x \rightarrow \infty} \frac{3x^2 + 12x - 15}{x^2 - 4x + 3} =$

2. $\lim_{x \rightarrow 0} \frac{3x^2 + 12x - 15}{x^2 - 4x + 3} =$

3. $\lim_{x \rightarrow 1} \frac{3x^2 + 12x - 15}{x^2 - 4x + 3} =$

4. $\lim_{x \rightarrow 3^+} \frac{3x^2 + 12x - 15}{x^2 - 4x + 3} =$

5. $\lim_{x \rightarrow \infty} \ln \left(1 + \frac{1}{x} \right) =$