

Name _____

Mathematics 105D: Calculus I
Fall Semester 2012
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Quiz #19

Find the following limits:

A. $\lim_{x \rightarrow \infty} (x + 5)(3 - x)$

B. $\lim_{x \rightarrow \infty} \frac{x+5}{3-x}$

C. $\lim_{x \rightarrow 0} \frac{x+5}{3-x}$

D. Use L'Hôpital's Rule to evaluate $\lim_{x \rightarrow \infty} \frac{\ln x}{x}$.