
Name: _____

1. $\lim_{x \rightarrow 0} \left(\frac{1}{x} - \frac{1}{x^2} \right) =$

2. $\lim_{x \rightarrow 1} \frac{4 + 2 \ln |x - 1|}{x - 3 \ln |1 - x|} =$

3. $\lim_{x \rightarrow \infty} x(e^{1/x} - 1) =$

4. $\lim_{x \rightarrow 0} \frac{x^2}{\ln |\sec x|} =$

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1. $\lim_{x \rightarrow 0} \frac{3x^2}{\cos(x) - 1} =$

2. $\lim_{x \rightarrow \infty} x \sin\left(\frac{4}{3x}\right) =$

3. $\lim_{x \rightarrow \infty} \frac{2x^2 + 7e^x}{x^2 + x + 4e^x - 1} =$

4. $\lim_{x \rightarrow 0} (\ln|x| - \ln|\sin(x)|) =$