
Name: _____

QUIZ 21 

MATH 200
November 11, 2025

1. $\lim_{x \rightarrow 0^+} (1 + x)^{1/x}$

2. $\int \left(14x^6 - \frac{1}{x} + e^x \right) dx =$

3. $\int (5 + \cos(x)) dx =$

4. $\int x\sqrt{x} dx =$

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

2. $\int \frac{1}{\sqrt{x}} dx =$

3. $\int \left(\frac{1}{x} - \sec^2(x) + \pi\right) dx =$

4. $\int \left(x^2 + \frac{1}{x^2}\right) dx =$