

Name: \_\_\_\_\_

1.  $\lim_{x \rightarrow 0^+} (e^x - 1)^x =$

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

3.  $\int \sqrt[3]{x^4} dx =$

4.  $\int \sec(x) \tan(x) dx =$

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Name: \_\_\_\_\_

QUIZ 21 ♣

MATH 200  
November 29, 2021

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

2.  $\int \left( x^5 - \frac{1}{x^2} + \cos(x) \right) dx =$

3.  $\int \sqrt[3]{x} dx =$

4.  $\int \frac{1}{1+x^2} dx =$

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QUIZ 21  $\diamond$

MATH 200  
November 29, 2021

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1.  $\lim_{x \rightarrow \infty} (\ln x)^{1/x}$

2.  $\int \left( 5x - \frac{1}{x} + \sec^2(x) \right) dx =$

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

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

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QUIZ 21 ♠

MATH 200  
November 29, 2021

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

2.  $\int (2 + x - x^2 + \csc^2(x)) dx =$

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

4.  $\int \csc(x) \cot(x) dx =$