
Name: _____

QUIZ 1 


MATH 201
January 16, 2025

Use substitution to find the following integrals. State clearly what your substitution is. Show all steps.

1. $\int \frac{\sin(x)}{\sqrt{\cos(x)}} dx =$

2. $\int_0^{\ln(2)} \frac{e^x}{5 + e^x} dx =$

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Use substitution to find the following integrals. State clearly what your substitution is. Show all steps.

1. $\int \frac{(3 + 2 \ln |x|)^7}{x} dx =$

2. $\int_0^{\ln \sqrt{3}} \frac{e^x}{1 + (e^x)^2} dx =$