

Name: _____

1.
$$\int \sin(x^2 + x)(2x + 1) dx =$$

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

3.
$$\int_0^{\pi/2} \frac{\cos(x)}{\sin(x) + 1} dx =$$

4.
$$\int_0^1 (x^2 + 1)^3 x dx =$$

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QUIZ 25 ♣

MATH 200
December 13, 2021

1. $\int e^{x^2+x}(2x+1) dx =$

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

3. $\int_0^{\sqrt{\pi/4}} \sec^2(x^2) x dx =$

4. $\int_1^3 \frac{3x^2+2x+1}{x^3+x^2+x} dx =$

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1.
$$\int \sec^2(x^2 + x)(2x + 1) dx =$$

2.
$$\int \frac{\cos(3 \ln |x|)}{x} dx =$$

3.
$$\int_0^3 (x^2 - 4x + 1)^3 (2x - 4) dx =$$

4.
$$\int_0^1 \frac{2x + 1}{3x^2 + 3x + 1} dx =$$

Name: _____

1.
$$\int \sec(x^2 + x) \tan(x^2 + x) (2x + 1) dx =$$

2.
$$\int \frac{e^{1/x}}{x^2} dx =$$

3.
$$\int_{-1}^0 \frac{x}{1 + x^2} dx =$$

4.
$$\int_0^{\pi/2} \sin(x) \cos(x) dx =$$