Name: _____

Quiz 25 ♡

MATH 200
December 12, 2022

1. $\displaystyle\int \frac{e^x}{\sqrt{e^x}}\,dx$

2. $\displaystyle\int \sin^2(\pi x)\cos(\pi x)\,dx$

3. $\displaystyle\int_0^{\pi/2} \frac{\cos(x)}{\sin(x)+5}\,dx =$

4. Find the area under the graph of $\sec^2(2x)$ between 0 and $\pi/8$.

Name: _____

Quiz 25 ♣

MATH 200
December 12, 2022

1. $\int 12x^2\sqrt{4x^3+15}\ dx$

2. $\int \dfrac{2x^9-e^x}{x^{10}-5e^x}\,dx$

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

4. Find the area under the graph of $x\sin(x^2)$ between 0 and $\sqrt{\pi/6}$.

Name: _____

Quiz 25 ♢

MATH 200

December 12, 2022

1. $\displaystyle\int \sqrt{\sin(x)}\,\cos(x)\,dx$

2. $\displaystyle\int \frac{\sin(2x)}{\cos^5(2x)}\,dx$

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

4. Find the area under the graph of $\dfrac{3}{3x+7}$ between -2 and 1.

Name: _____

Quiz 25 ♠

MATH 200

December 12, 2022

1. $\displaystyle\int \frac{\sec^2(-1/x)}{x^2}\,dx$

2. $\displaystyle\int 2e^{-x}\,dx$

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

4. Find the area under the graph of $\dfrac{5}{\left(5x+1\right)^2}$ between 0 and 1.