NEWFOUNDLAND AND LABRADOR MATHEMATICS 3208 · UNIT D · 5 QUESTIONS

# Integrals and Their Applications — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Colourful spinner wheel is divided into four equal sections. The volume of revolution of y = x from x = 0 to x = 1 about the x axis, divided by π , is, to two decimal places**



ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The average value of f(x) = 2x on [0, 3] is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 $\int_{-1}^{1} x^3\,dx$ is

ANSWER

Understand It with Pulse | Flag a mistake

4 $\int_{0}^{3} 5\,dx$ is

ANSWER

Understand It with Pulse | Flag a mistake

5 $\int 2x(x^2 + 1)\,dx$ is

A $(x^2 + 1)^2 + C$

B $2(x^2 + 1) + C$

C $\underline{(x^2 + 1)^2}$

D $x^2 + C$

Understand It with Pulse | Flag a mistake

# ANSWER KEY

1. 0.33
2. 3
3. 0
4. 15
5. C

© 2026 Brett Robbins. All Rights Reserved.