PRINCE EDWARD ISLAND CALCULUS 12 · 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 **Small silver electric motor with cooling fins and power cable on a wooden workbench, large in frame. The indefinite integral $\int x^{1}\,dx$ has power 2 and coefficient as a decimal , rounded to four decimal places , given by the reciprocal of 2 is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **The indefinite integral $\int x^5\,dx$ has power 6 and coefficient as a decimal , rounded to four decimal places , given by the reciprocal of 6 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The definite integral from 0 to 5 of x with respect to x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The definite integral from 0 to 6 of x with respect to x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **The definite integral from 0 to 1 of x^2 with respect to x as a decimal , rounded to four decimal places , is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 0.5
2. 0.1667
3. 12.5
4. 18
5. 0.3333

© 2026 Brett Robbins. All Rights Reserved.