SASKATCHEWAN CALCULUS 30 · UNIT F

Integration and Area Under Curves — Practice Test

Saskatchewan Calculus 30 • 10 questions

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 **The area under $y = x$ from $x = 0$ to $x = 8$ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Evaluate the definite integral from 0 to 4 of $x^2\,dx$.**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Evaluate the definite integral from 0 to 1 of $x^2\,dx$.**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Evaluate the definite integral from 0 to 3 of 4x dx.**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **An antiderivative of x^6 is**

A $\frac{x^7}{7}$

B x^7

C $\frac{x^6}{6}$

D $6x^5$

Understand It with Pulse | Flag a mistake

6 **Evaluate the definite integral from 0 to 2 of 2x dx.**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **Evaluate the definite integral from 1 to 4 of 1x dx.**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Evaluate the definite integral from 0 to 5 of 1 dx.**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **Evaluate the definite integral from 0 to 4 of 1x dx.**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Evaluate the definite integral from 1 to 3 of 2x dx.**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	32	**5.**	A	**9.**	8
2.	21.33	**6.**	4	**10.**	8
3.	0.33	**7.**	7.5		
4.	18	**8.**	5		

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