SASKATCHEWAN CALCULUS 30 · UNIT E

Derivatives of Transcendental Functions — 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 derivative of cos 7x is**

- **A** 7sin 7x
- **B** sin 7x
- **C** -7cos 7x
- **D** -7sin 7x

Understand It with Pulse | Flag a mistake

2 **The derivative of e^{7x} is**

- **A** $7e^{7x}$
- **B** e^{7x}
- **C** $7e^{x}$
- **D** e^{7}

Understand It with Pulse | Flag a mistake

3 **The derivative of 2sin x is**

- **A** cos x
- **B** 2sin x
- **C** -2cos x
- **D** 2cos x

Understand It with Pulse | Flag a mistake

4 **The derivative of ln 5x is**

- **A** $\frac{5}{x}$
- **B** $\frac{1}{5x}$
- **C** $\frac{1}{x}$
- **D** x

Understand It with Pulse | Flag a mistake

5 **The derivative of 3cos x is**

- **A** 3sin x
- **B** sin x
- **C** -3cos x
- **D** -3sin x

Understand It with Pulse | Flag a mistake

6 **The derivative of e^{4x} is**

- **A** $4e^{4x}$
- **B** e^{4x}
- **C** $4e^{x}$
- **D** e^{4}

Understand It with Pulse | Flag a mistake

7 **The derivative of sin 5x is**

- **A** cos 5x
- **B** 5cos 5x
- **C** 5sin 5x
- **D** -cos 5x

Understand It with Pulse | Flag a mistake

8 **The derivative of cos 2x is**

- A 2sin 2x
- B sin 2x
- C -2sin 2x
- D -2cos 2x

Understand It with Pulse | Flag a mistake

9 **The derivative of e^{2x} is**

- A e^{2x}
- B $2e^{2x}$
- C $2e^{x}$
- D e^{2}

Understand It with Pulse | Flag a mistake

10 **The derivative of 9sin x is**

A cos x

B 9cos x

C 9sin x

D -9cos x

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	D	**5.**	D	**9.**	B
2.	A	**6.**	A	**10.**	B
3.	D	**7.**	B		
4.	C	**8.**	C		

© 2026 Brett Robbins. All Rights Reserved.