COLORADO ALGEBRA II · COLORADO

Colorado Algebra II

Practice Test

Unit 3: Exponential, Logarithmic, and Trigonometric Functions

5 Questions

Original practice test based on the Colorado curriculum. Work through each question, then check your answers at the end.

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.

© 2026 Brett Robbins. All Rights Reserved.



Question 1

The value of 2^5 is

A) 10

B) 25

C) 32

D) 64

Understand It with Pulse

Flag a mistake

Question 2

The value of $\log_2 64$ is

A) 6

B) 8

C) 32

D) 5

Understand It with Pulse

Flag a mistake

Question 3

An expanded form of $\log\left(\frac{x}{y^3}\right)$ is

A) $3\log x - \log y$

B) $\log x \cdot \log y$

C) $\log x + 3\log y$

D) $\log x - 3\log y$

Understand It with Pulse

Flag a mistake

© 2026 Brett Robbins. All Rights Reserved.

Question 4

The expression $\log x + \log y$ is equivalent to

A) $\log x \cdot \log y$

B) $\log(x + y)$

C) $\log(xy)$

D) $\log\left(\frac{x}{y}\right)$

Understand It with Pulse | Flag a mistake

Question 5

The solution of $3^x = 27$ is

A) 2

B) 9

C) 3

D) 4

Understand It with Pulse | Flag a mistake

© 2026 Brett Robbins. All Rights Reserved.

ANSWER KEY

1. C
2. A
3. D
4. C
5. C

© 2026 Brett Robbins. All Rights Reserved.