NORTH DAKOTA ALGEBRA 2 · UNIT 3 · 5 QUESTIONS

Exponential, Logarithmic, and Trigonometric Functions — 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 The value of 2^5 is

- A 10
- B 25
- C 32
- D 64

Understand It with Pulse | Flag a mistake

2 **Small log cabins covered in snow stand in a bare winter forest. The value of $\log_2 64$ is**



A 6

B 8

C 32

D 5

Understand It with Pulse | Flag a mistake

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

- **A** 3log x - log y
- **B** log x · log y
- **C** log x + 3log y
- **D** log x - 3log y

Understand It with Pulse | Flag a mistake

4 **The expression log x + log y is equivalent to**

- **A** log x · log y
- **B** log(x + y)
- **C** log(xy)
- **D** log(x

Understand It with Pulse | Flag a mistake

5 **The solution of $3^x = 27$ is**

A 2

B 9

C 3

D 4

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.