IOWA ALGEBRA 2 · IOWA

Iowa Algebra 2

Practice Test

Unit 3: Exponential, Logarithmic, and Trigonometric Functions

5 Questions

Original practice test based on the Iowa 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.

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Question 1

The value of 2^5 is

A) 10

B) 25

C) 32

D) 64

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Question 2

The value of $\log_2 64$ is

A) 6

B) 8

C) 32

D) 5

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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) $\log x - 3\log y$

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

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Question 5

The solution of $3^x = 27$ is

A) 2

B) 9

C) 3

D) 4

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ANSWER KEY

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

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