CALIFORNIA ALGEBRA II · UNIT 3 · 10 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 $\log_5 125$ is**

- **A** 5
- **B** 3
- **C** 4
- **D** 25

Understand It with Pulse | Flag a mistake

2 **The value of tan 45° is**

- A 1
- B 0
- C $\frac{1}{2}$
- D $\sqrt{3}$

Understand It with Pulse | Flag a mistake

3 **A population starts at 50 and triples each hour. After 2 hours the population is**

- A 450
- B 900
- C 300
- D 150

Understand It with Pulse | Flag a mistake

4 **A quantity starts at 80 and doubles three times. It becomes**

- **A** 320
- **B** 640
- **C** 480
- **D** 240

Understand It with Pulse | Flag a mistake

5 **The value of 5^3 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 The value of $\log_2 8 + \log_2 4$ is

- A 32
- B 12
- C 5
- D 7

Understand It with Pulse | Flag a mistake

7 The value of sin 30° is

- A 1
- B $\sqrt{3}/2$
- C $\frac{1}{2}$
- D $\sqrt{2}/2$

Understand It with Pulse | Flag a mistake

8 The value of $\log_4 64$ is

- **A** 3
- **B** 2
- **C** 16
- **D** 4

Understand It with Pulse | Flag a mistake

9 The value of tan 30° is

- **A** $\sqrt{3}$
- **B** $\frac{1}{2}$
- **C** $\sqrt{3}/3$
- **D** 1

Understand It with Pulse | Flag a mistake

10 **The value of log 100 is**

A 1

B 20

C 10

D 2

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. A
3. A
4. B
5. 125
6. C
7. C
8. A
9. C
10. D

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