CONNECTICUT ALGEBRA II · UNIT 3 · 25 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 2^3 is

ANSWER _____

Understand It with Pulse | Flag a mistake

2 2^4 is

ANSWER _____

Understand It with Pulse | Flag a mistake

3 2^5 is

ANSWER _____

Understand It with Pulse | Flag a mistake

4 2^6 is

ANSWER _____

Understand It with Pulse | Flag a mistake

5 2^2 is

ANSWER

Understand It with Pulse | Flag a mistake

6 $\log_2 8$ is

ANSWER

Understand It with Pulse | Flag a mistake

7 $\log_2 32$ is

ANSWER

Understand It with Pulse | Flag a mistake

8 $\log_3 27$ is

ANSWER

Understand It with Pulse | Flag a mistake

9 **$\log_{10} 1000$ is**

ANSWER

Understand It with Pulse | Flag a mistake

10 **$\log_2 16$ is**

ANSWER

Understand It with Pulse | Flag a mistake

11 **10^2 is**

ANSWER

Understand It with Pulse | Flag a mistake

12 **10^3 is**

ANSWER

Understand It with Pulse | Flag a mistake

13 10^4 is

ANSWER

Understand It with Pulse | Flag a mistake

14 10^5 is

ANSWER

Understand It with Pulse | Flag a mistake

15 10^6 is

ANSWER

Understand It with Pulse | Flag a mistake

16 The sin 30° is

A $\sqrt{\frac{2}{2}}$

B $\sqrt{\frac{3}{2}}$

C 0

D $\frac{1}{2}$

Understand It with Pulse | Flag a mistake

17 The sin 45° is

A $\sqrt{\frac{2}{2}}$

B $\frac{1}{2}$

C $\sqrt{\frac{3}{2}}$

D 0

Understand It with Pulse | Flag a mistake

18 The sin 60° is

A $\frac{1}{2}$

B $\sqrt{\frac{3}{2}}$

C $\sqrt{\frac{2}{2}}$

D 0

Understand It with Pulse | Flag a mistake

19 The sin 0° is

A $\frac{1}{2}$

B $\sqrt{\frac{2}{2}}$

C 0

D $\sqrt{\frac{3}{2}}$

Understand It with Pulse | Flag a mistake

20 The sin 90° is

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

Understand It with Pulse | Flag a mistake

21 The cos 60° is

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

Understand It with Pulse | Flag a mistake

22 The cos 45° is

A $\frac{1}{2}$

B $\sqrt{\frac{2}{2}}$

C $\sqrt{\frac{3}{2}}$

D 0

Understand It with Pulse | Flag a mistake

23 The cos 30° is

A $\frac{1}{2}$

B $\sqrt{\frac{2}{2}}$

C $\sqrt{\frac{3}{2}}$

D 0

Understand It with Pulse | Flag a mistake

24 The cos 0° is

A $\frac{1}{2}$

B $\sqrt{\frac{2}{2}}$

C $\sqrt{\frac{3}{2}}$

D 1

Understand It with Pulse | Flag a mistake

25 The cos 90° is

A 0

B $\frac{1}{2}$

C $\sqrt{\frac{2}{2}}$

D $\sqrt{\frac{3}{2}}$

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 8
2. 16
3. 32
4. 64
5. 4
6. 3
7. 5
8. 3
9. 3
10. 4
11. 100
12. 1000
13. 10000
14. 100000
15. 1000000
16. D
17. A
18. B
19. C
20. D
21. A
22. B
23. C
24. D
25. A

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