CONNECTICUT PRECALCULUS · UNIT 2 · 25 QUESTIONS

Trigonometry — 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 sin 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

2 **The sin 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

3 **The sin 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

4 The sin 0° is

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

Understand It with Pulse | Flag a mistake

5 The sin 90° is

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

Understand It with Pulse | Flag a mistake

6 The cos 60° is

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

B $\frac{1}{2}$

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

D 0

Understand It with Pulse | Flag a mistake

7 The cos 45° is

A $\frac{1}{2}$

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

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

D 0

Understand It with Pulse | Flag a mistake

8 The cos 30° is

A $\frac{1}{2}$

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

C 0

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

Understand It with Pulse | Flag a mistake

9 The cos 0° is

A 1

B $\frac{1}{2}$

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

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

Understand It with Pulse | Flag a mistake

10 **The cos 90° is**

A $\frac{1}{2}$

B 0

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

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

Understand It with Pulse | Flag a mistake

11 **A central angle of 180 degrees measures, in radians,**

A 2π

B π/2

C π

D 3π/2

Understand It with Pulse | Flag a mistake

12 **A central angle of 360 degrees measures, in radians,**

- A π
- B π/2
- C 3π/2
- D 2π

Understand It with Pulse | Flag a mistake

13 **A central angle of 90 degrees measures, in radians,**

- A π/2
- B π
- C 2π
- D 3π/2

Understand It with Pulse | Flag a mistake

14 **A central angle of 45 degrees measures, in radians,**

- A π
- B π/4
- C 2π
- D π/2

Understand It with Pulse | Flag a mistake

15 **A central angle of 270 degrees measures, in radians,**

- A π
- B 2π
- C 3π/2
- D π/2

Understand It with Pulse | Flag a mistake

16 **The amplitude of y = 1 sin x is**

ANSWER

Understand It with Pulse | Flag a mistake

17 **The amplitude of y = 2 sin x is**

A 1

B 3

C 2

D 4

Understand It with Pulse | Flag a mistake

18 The amplitude of $y = 3 \sin x$ is

- A 1
- B 3
- C 2π
- D 6

Understand It with Pulse | Flag a mistake

19 The amplitude of $y = 4 \sin x$ is

- A 4
- B 1
- C 2
- D 2π

Understand It with Pulse | Flag a mistake

20 The amplitude of y = 5 sin x is

- A 1
- B 2
- C 5
- D 10

Understand It with Pulse | Flag a mistake

21 For y = sin 2x , the coefficient of x is

ANSWER _____

Understand It with Pulse | Flag a mistake

22 For y = sin 3x , the coefficient of x is

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **For y = sin 1x , the coefficient of x is**

ANSWER

Understand It with Pulse | Flag a mistake

24 **For y = sin 4x , the coefficient of x is**

ANSWER

Understand It with Pulse | Flag a mistake

25 **For y = sin 5x , the coefficient of x is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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