ARKANSAS PRECALCULUS · UNIT 2 · 10 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 **In Quadrant III, which trig function is positive**

- A Sine
- B Tangent
- C Cosine
- D Secant

Understand It with Pulse | Flag a mistake

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

- A 1
- B 3
- C 2
- D 4

Understand It with Pulse | Flag a mistake

3 The period of $y = \sin(3x)$ is

- **A** π
- **B** 3π
- **C** 6π
- **D** $\frac{2\pi}{3}$

Understand It with Pulse | Flag a mistake

4 A right triangle has legs 9 and 12. Its hypotenuse is

ANSWER _____

Understand It with Pulse | Flag a mistake

5 A right triangle has legs 6 and 8. Its hypotenuse is

ANSWER _____

Understand It with Pulse | Flag a mistake

6 The value of sin 45° is

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

Understand It with Pulse | Flag a mistake

7 The value of cos 45° is

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

Understand It with Pulse | Flag a mistake

8 **The value of csc 90° is**

A 0

B 2

C 1

D -1

Understand It with Pulse | Flag a mistake

9 **In Quadrant IV, sine is**

A Positive

B Zero

C Undefined

D Negative

Understand It with Pulse | Flag a mistake

10 **The midline of y = 5cos x - 1 is**

A y = -1

B y = 5

C y = 1

D y = 0

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. C
3. D
4. 15
5. 10
6. A
7. B
8. C
9. D
10. A

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