ARIZONA 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 For y = sin 4x, the period is

- A π
- B 2π
- C 4π
- D $\frac{\pi}{}$

Understand It with Pulse | Flag a mistake

2 The solutions of sin x = 0 for 0 ≤ x < 2π are

- A x = $\frac{\pi}{}$
- B x = 0 only
- C x = $\frac{\pi}{}$
- D x = 0, π

Understand It with Pulse | Flag a mistake

3 **The identity $\cos^2 x$ equals**

A $\underline{1}$

B $1 - \sin^2 x$

C $\sin^2 x - 1$

D $1 + \sin^2 x$

Understand It with Pulse | Flag a mistake

4 **The identity cos 2x in terms of cos x can be**

A $2\cos x - 1$

B $\cos^2 x + 1$

C $1 - 2\sin x$

D $2\cos^2 x - 1$

Understand It with Pulse | Flag a mistake

5 **In degrees, 45° in radians is**

- **A** 2π
- **B** π
- **C** π
- **D** π

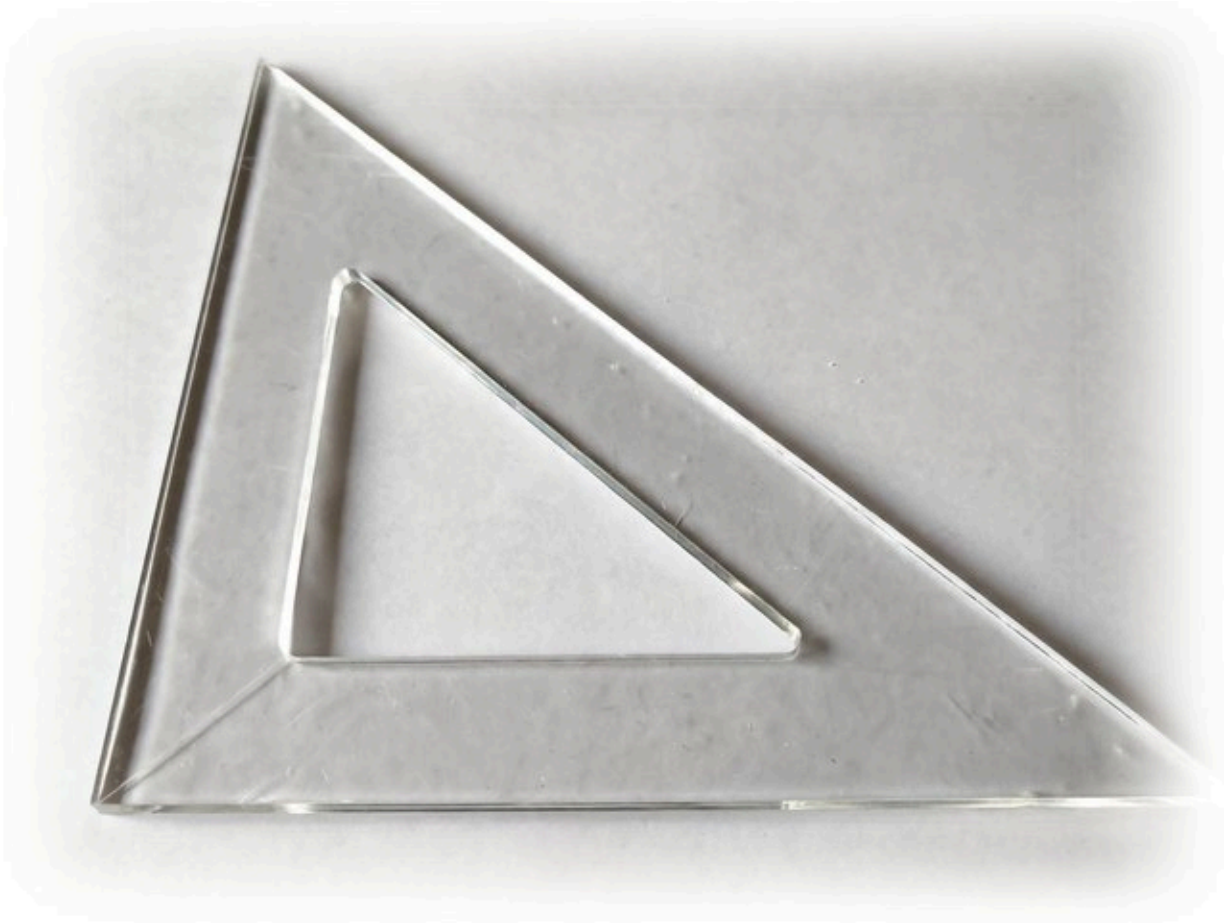
Understand It with Pulse | Flag a mistake

6 **In degrees, $\frac{\pi}{3}$ radians is**

- **A** 60°
- **B** 30°
- **C** 45°
- **D** 90°

Understand It with Pulse | Flag a mistake

7 **In a right triangle, adjacent is 12 and hypotenuse is 13. The cosine is**



A 5

B 5

C 13

D 12

Understand It with Pulse | Flag a mistake

8 **The reference angle for 210° is**



A 60°

B 210°

C 30°

D 150°

Understand It with Pulse | Flag a mistake

9 The value of $\sin \frac{\pi}{2}$ is

ANSWER

Understand It with Pulse | Flag a mistake

10 The value of $\cos \pi$ is

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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