NEW YORK 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 **If $\sin\theta = \frac{5}{13}$ and θ is in Quadrant I, then $\cos\theta$ is**

- A 12
- B 5
- C -12/13
- D 13

Understand It with Pulse | Flag a mistake

2 **The period of $y = \sin(2x)$ is**

- A 2π
- B π
- C $\pi/2$
- D 4π

Understand It with Pulse | Flag a mistake

3 **The amplitude of $y = 3 \cos x + 1$ is**

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

Understand It with Pulse | Flag a mistake

4 **The midline of $y = 3 \cos x + 1$ is**

- **A** $y = 1$
- **B** $y = 0$
- **C** $y = 3$
- **D** $y = 4$

Understand It with Pulse | Flag a mistake

5 **The value of csc 30° is ____.**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **If $\cos\theta = \frac{4}{5}$ and $\sin\theta = \frac{3}{5}$, then $\cos 2\theta$ is**

A 7

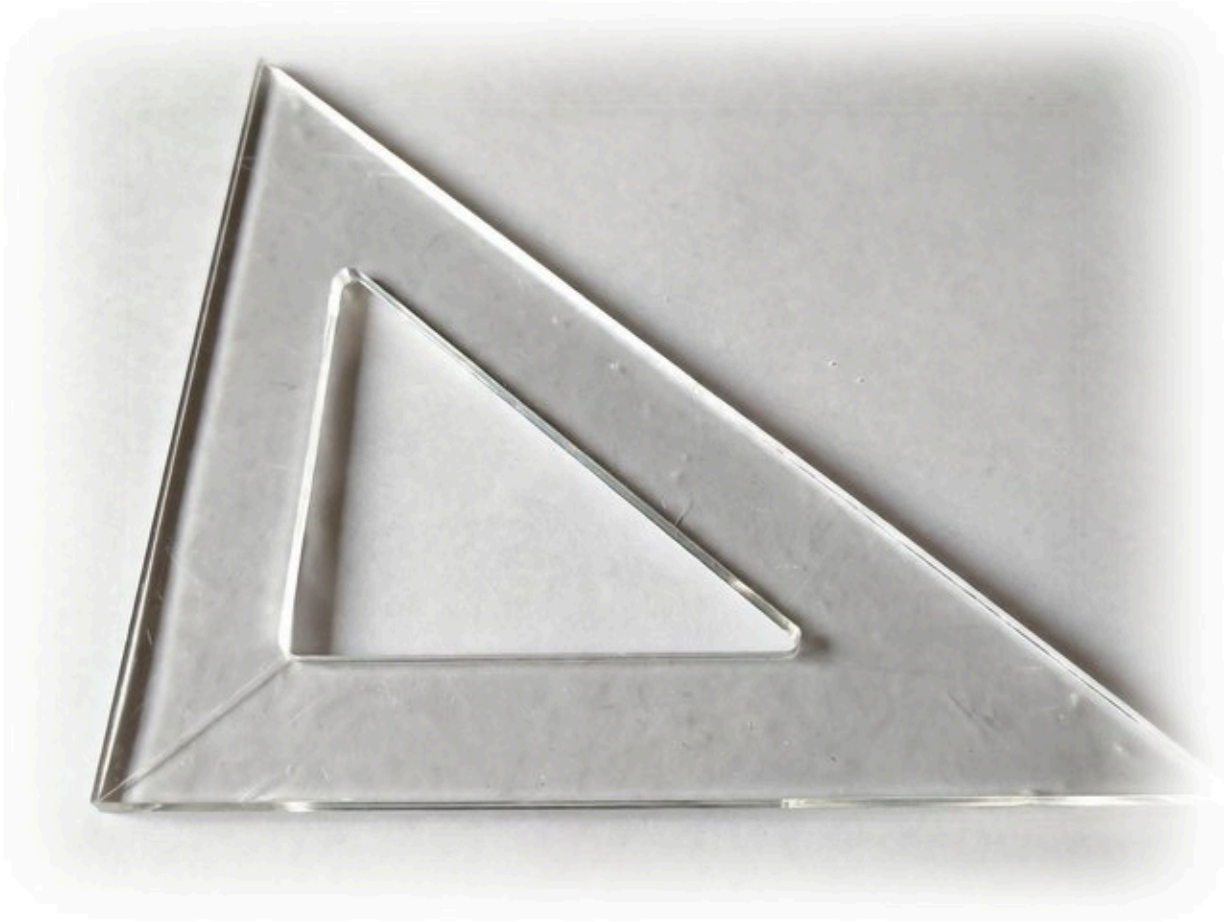
B 24

C 16

D 9

Understand It with Pulse | Flag a mistake

7 **In a right triangle with adjacent side 8 and hypotenuse 10, the cosine of the angle is**



A 6

B 8

C 10

D 6

Understand It with Pulse | Flag a mistake

8 **An angle coterminal with 400° between 0° and 360° is**



A 40°

B 140°

C 220°

D 320°

Understand It with Pulse | Flag a mistake

9 **The value of sin 270° is**

A 1

B 0

C 1

D -1

Understand It with Pulse | Flag a mistake

10 **The value of tan 0° is ____.**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. B
3. B
4. A
5. 2
6. A
7. B
8. A
9. D
10. 0

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