DELAWARE PRECALCULUS · UNIT 2 · 5 QUESTIONS

Trigonometry — Practice Test

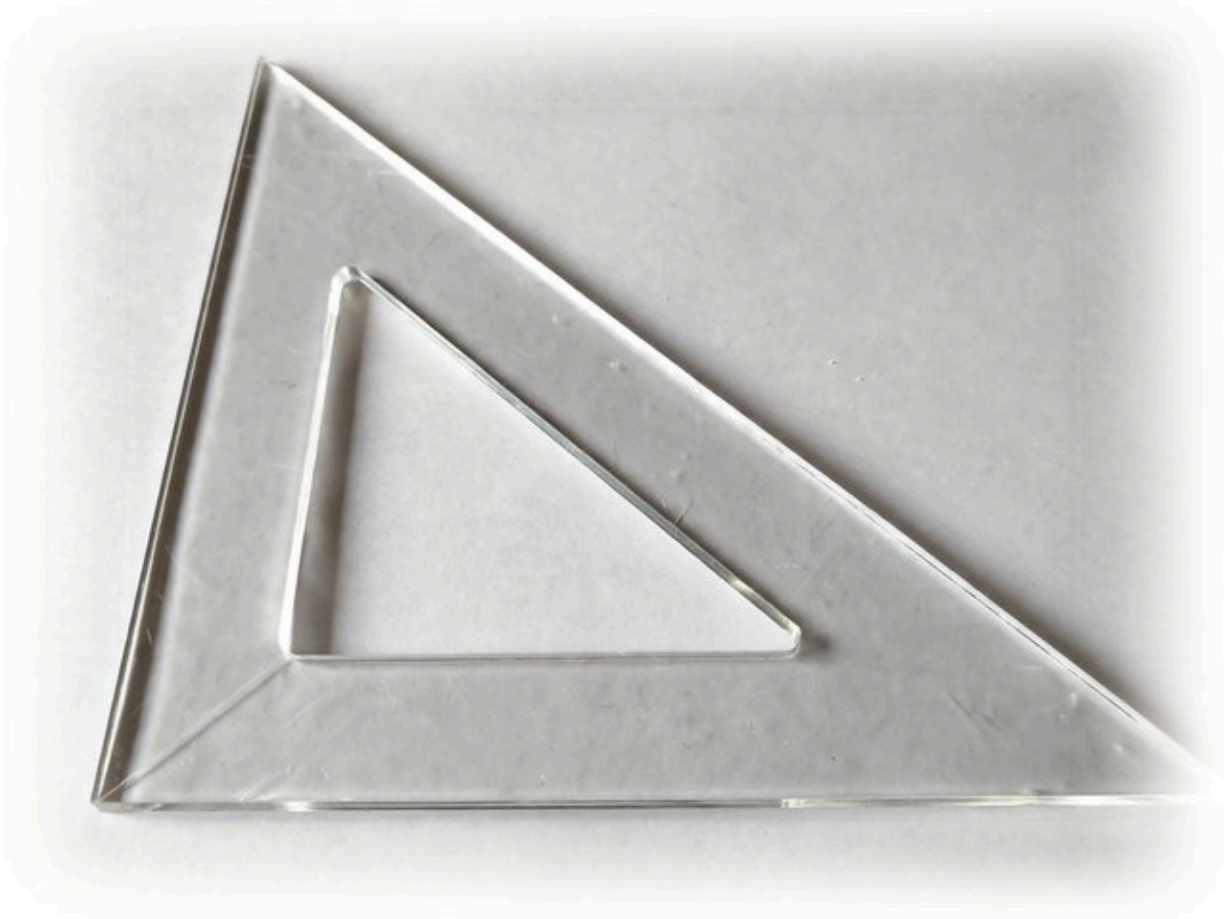
This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The value of cos 60° is**

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

Understand It with Pulse | Flag a mistake

2 **Clear plastic triangular set square ruler lies flat on a plain white surface, straight edges and right angle visible, no people. In a right triangle, the side opposite an acute angle is 3, the adjacent side is 4, and the hypotenuse is 5. The tangent of the angle is**



A $\frac{4}{3}$

B $\frac{3}{5}$

C $\frac{3}{4}$

D $\frac{4}{5}$

Understand It with Pulse | Flag a mistake

3 In a 45-45-90 triangle, each leg is 3. The hypotenuse is

- A 6
- B $3\sqrt{3}$
- C 3
- D $3\sqrt{2}$

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4 The amplitude of y = 4sin x is

- A 4
- B 5
- C 3
- D 8

Understand It with Pulse | Flag a mistake

5 **The value of cos 30° is**

A 1

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

C $\frac{1}{2}$

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

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ANSWER KEY

1. B
2. C
3. D
4. A
5. D

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