PRINCE EDWARD ISLAND PRE-CALCULUS 11 · UNIT B · 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 **Two angles of a triangle measure 60 degrees and 60 degrees. What is the third angle in degrees**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **An angle of 45 degrees in radians is**

A. π/3

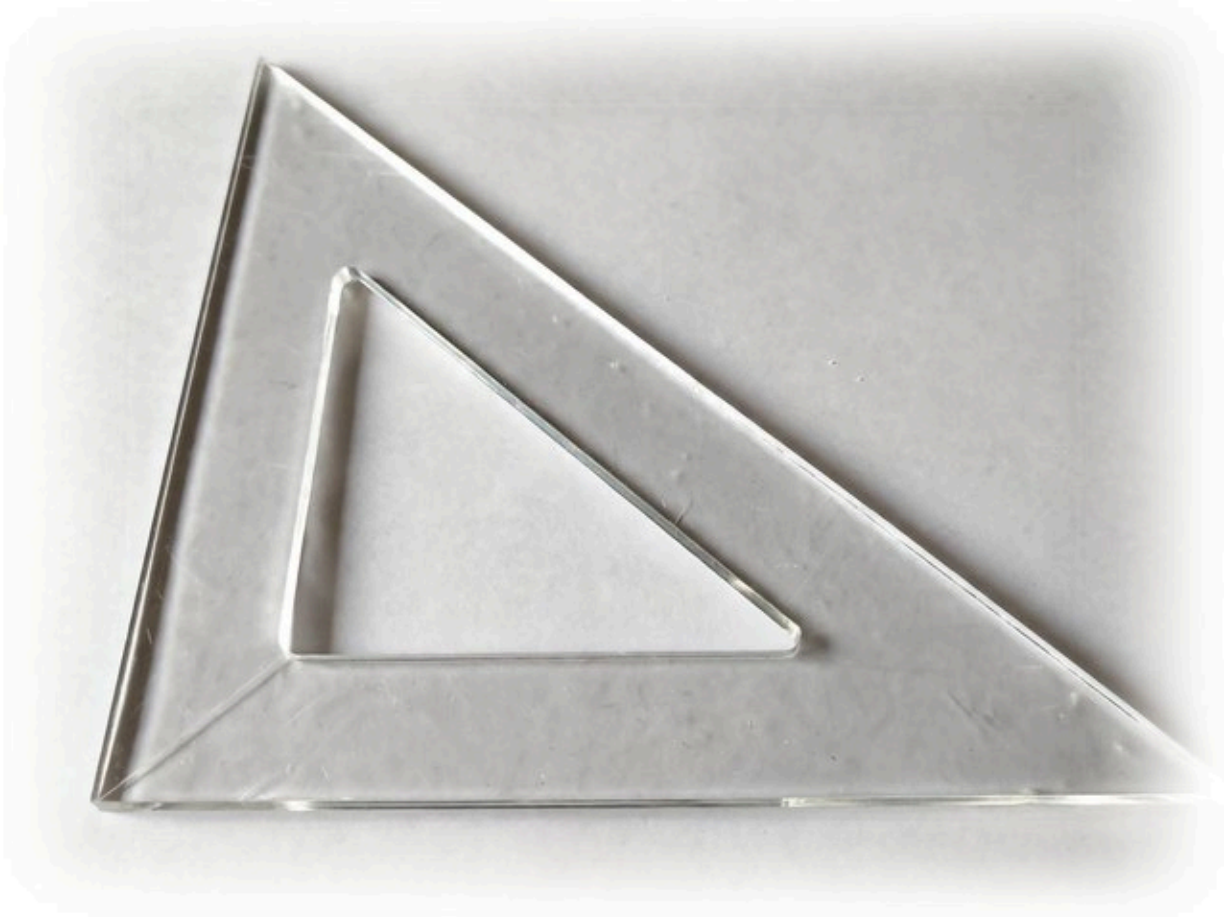
B. π/2

C. π/4

D. π

Understand It with Pulse | Flag a mistake

3 **In a right triangle, the side opposite an angle is 14 units and the side adjacent to the angle is 48 units. What is the tangent of the angle, to two decimal places**



ANSWER

Understand It with Pulse | Flag a mistake

4 **In a right triangle, the side opposite an angle is 27 units and the hypotenuse is 45 units. What is the sine of the angle, to two decimal places**

ANSWER

Understand It with Pulse | Flag a mistake

5 **The reference angle for 210 degrees is**

A 30 degrees

B 210 degrees

C 60 degrees

D 150 degrees

Understand It with Pulse | Flag a mistake

6 **The sine law relates sides of a triangle to the sines of their**



A opposite angles

B adjacent angles

C included angles

D exterior angles

Understand It with Pulse | Flag a mistake

7 **Two angles of a triangle measure 90 degrees and 60 degrees. What is the third angle in degrees**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **An angle of 30 degrees in radians is**

A π/4

B π/3

C π/2

D π/6

Understand It with Pulse | Flag a mistake

9 **In a right triangle, the side opposite an angle is 33 units and the side adjacent to the angle is 44 units. What is the tangent of the angle, to two decimal places**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Two angles of a triangle measure 120 degrees and 60 degrees. What is the third angle in degrees**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 60
2. C
3. 0.29
4. 0.6
5. A
6. A
7. 30
8. D
9. 0.75
10. 0

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