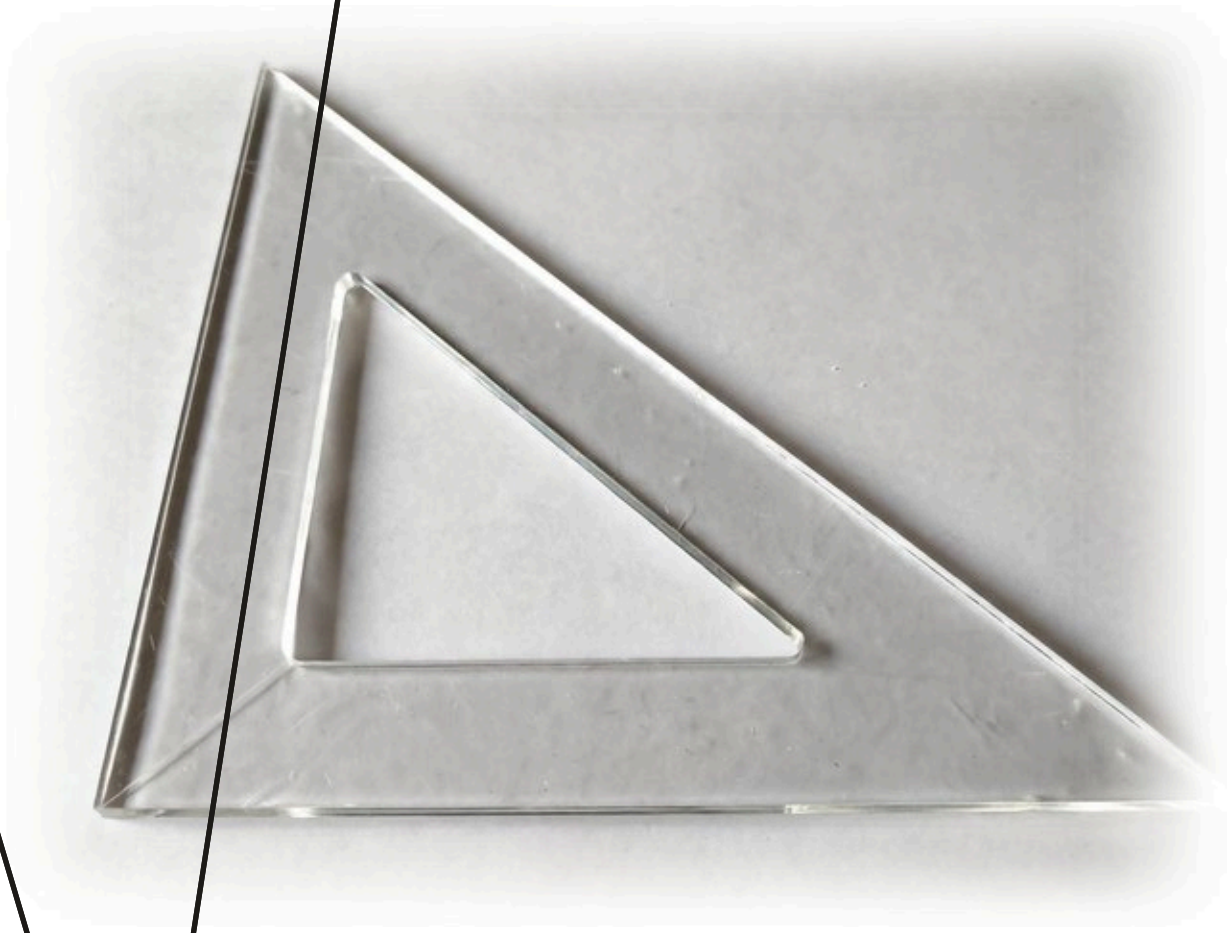
PRINCE EDWARD ISLAND FOUNDATIONS OF MATHEMATICS 11 · UNIT B · 10 QUESTIONS

Angles, Triangles and 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.

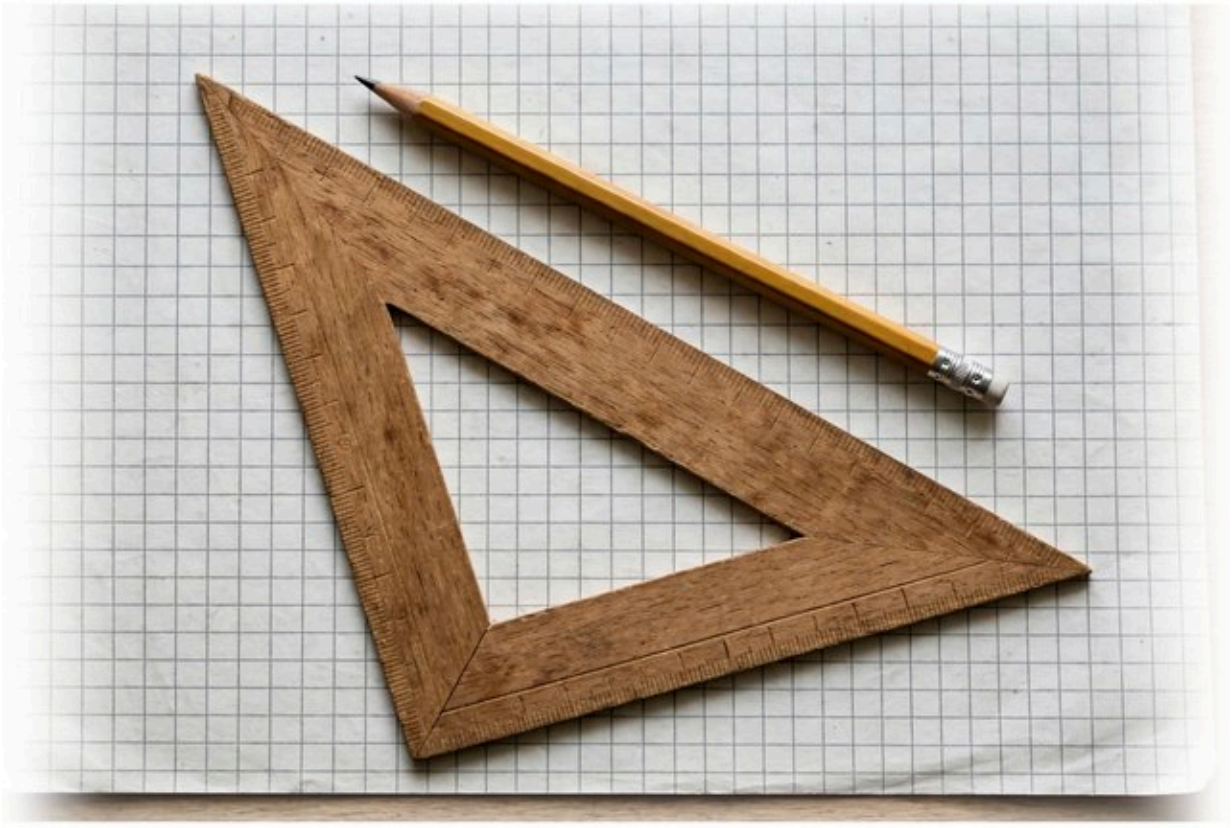
1 **In a triangle, two angles measure 50 degrees and 60 degrees. What is the measure of the third angle in degrees**



ANSWER

Understand It with Pulse | Flag a mistake

2 **In a right triangle, the side opposite an angle is 8 units and the side adjacent to the angle is 15 units. What is the tangent of the angle, to two decimal places**



ANSWER

Understand It with Pulse | Flag a mistake

3 **The sine of an angle in a right triangle is the ratio of the opposite side to the**

- **A** adjacent side
- **B** other leg
- **C** hypotenuse
- **D** perimeter

Understand It with Pulse | Flag a mistake

4 **The sine ratio for a 30 degree angle is**

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

Understand It with Pulse | Flag a mistake

5 **The sum of the exterior angles of any polygon is**

A 360 degrees

B 180 degrees

C 90 degrees

D 540 degrees

Understand It with Pulse | Flag a mistake

6 **The tangent of an angle in a right triangle is the ratio of the opposite side to the**

A hypotenuse

B longest side

C perimeter

D adjacent side

Understand It with Pulse | Flag a mistake

7 **The tangent ratio for a 45 degree angle is**

A $\frac{1}{}$

B $\sqrt{3}$

C 0

D 1

Understand It with Pulse | Flag a mistake

8 **Two triangles are congruent when all matching sides and angles are**

A equal

B proportional

C supplementary

D acute

Understand It with Pulse | Flag a mistake

9 **Vertical angles formed by two intersecting lines are**

A supplementary

B complementary

C different

D equal

Understand It with Pulse | Flag a mistake

10 **In a triangle, two angles measure 35 degrees and 55 degrees. What is the measure of the third angle in degrees**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 70
2. 0.53
3. C
4. B
5. A
6. D
7. D
8. A
9. D
10. 90

© 2026 Brett Robbins. All Rights Reserved.