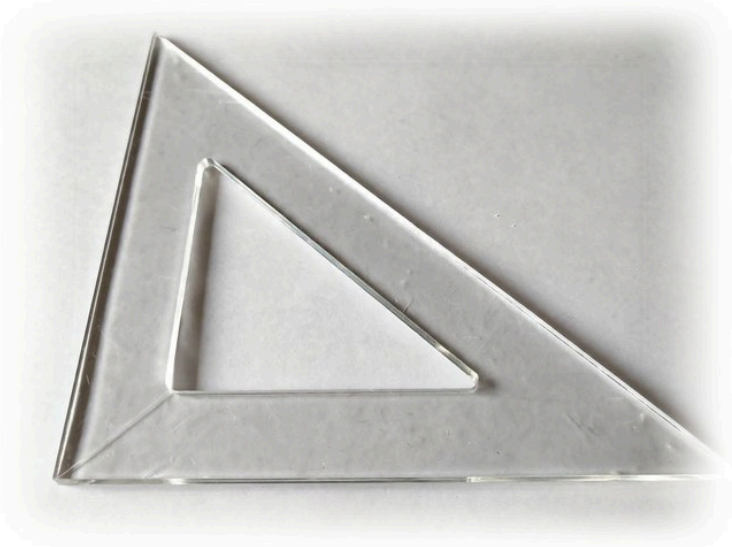
ALASKA GEOMETRY · UNIT 3 · 5 QUESTIONS

Trigonometry and Measurement — 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 **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 7 and the hypotenuse is 25. The sine of the angle is**



A 7

B 24

C 7

D 25

Understand It with Pulse

Flag a mistake

2 **In a right triangle, the side adjacent to an acute angle is 16 and the hypotenuse is 20. The cosine of the angle is**

- A 12
- B 20
- C 16
- D 16

Understand It with Pulse | Flag a mistake

3 **In a right triangle, the side opposite an acute angle is 24 and the adjacent side is 7. The tangent of the angle is**

- A 7
- B 25
- C 7
- D 24

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4 **In a right triangle, an angle measures 30° and the hypotenuse is 20. The opposite side is**

- A 20
- B 10
- C 17.3
- D 5

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5 **In a right triangle, an angle measures 60° and the adjacent side is 9. The hypotenuse is**

- A 15.6
- B 18
- C 9
- D 36

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ANSWER KEY

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

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