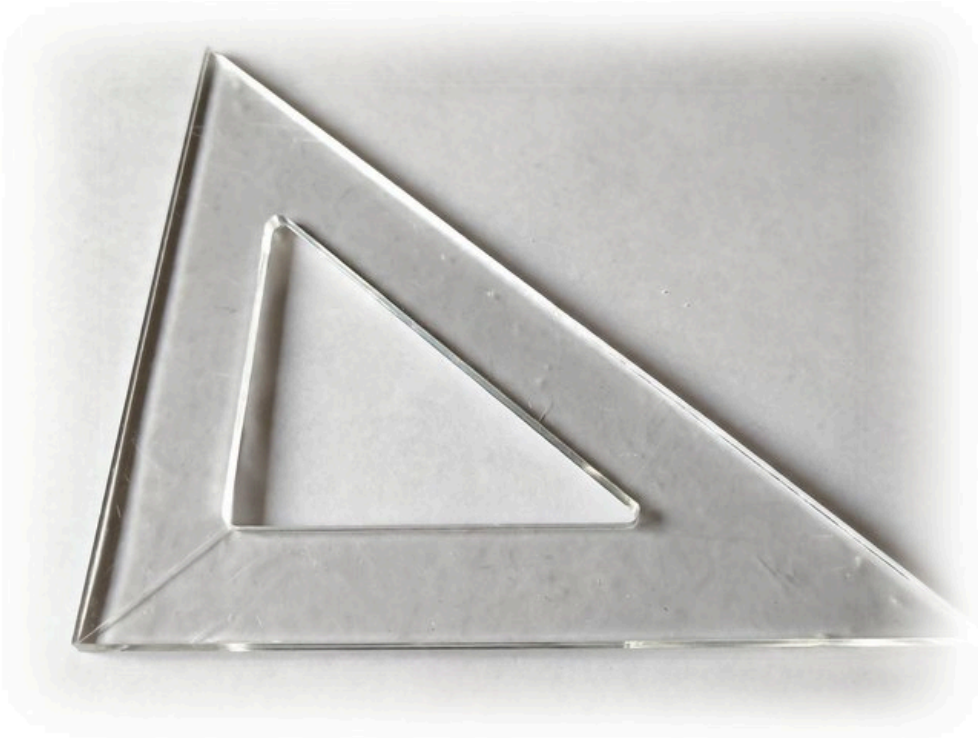
ARIZONA GEOMETRY · UNIT 3 · 5 QUESTIONS

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 opposite side is 12 and the hypotenuse is 20. The sine of the angle is**



A $\frac{12}{16}$

B $\frac{20}{12}$

C $\frac{12}{20}$

D $\frac{16}{20}$

Understand It with Pulse | Flag a mistake

2 **In a right triangle, the adjacent side is 15 and the hypotenuse is 17. The cosine of the angle is**

- **A** $\frac{15}{8}$
- **B** $\frac{15}{17}$
- **C** $\frac{8}{17}$
- **D** $\frac{17}{15}$

Understand It with Pulse | Flag a mistake

3 **A right triangle has hypotenuse 25 and one leg 7. The other leg is**

- **A** 18
- **B** 32
- **C** 14
- **D** 24

Understand It with Pulse | Flag a mistake

4 **A right triangle has legs 6 and 8. The hypotenuse is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **In a 45 45 90 triangle, a leg is 5. The hypotenuse is**

A $5\sqrt{3}$

B 10

C $5\sqrt{2}$

D 5

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. C
2. B
3. D
4. 10
5. C

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