ARKANSAS GEOMETRY · UNIT 1 · 5 QUESTIONS

# Congruence and Similarity — 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 **A roof truss is built from triangles. Two triangles have two pairs of corresponding angles equal and a pair of corresponding non included sides equal. They are congruent by**



A SSS

B SAS

C AAS

D SSA

Understand It with Pulse | Flag a mistake

2 **In a right triangle, the hypotenuse and one leg are congruent to the hypotenuse and one leg of another right triangle They are congruent by**

- A HL
- B ASA
- C SSA
- D AAA

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3 **Triangle ABC has angles 50° and 60°. The third angle measures**

- A 130°
- B 70°
- C 110°
- D 50°

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4 **A triangle has angles in the ratio 2:3:4. The largest angle measures**

- A 40°
- B 60°
- C 80°
- D 100°

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5 **Two similar triangles have areas 25 and 100. A side of the smaller triangle is 6. The corresponding side of the larger triangle is**

- A 24
- B 18
- C 9
- D 12

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## ANSWER KEY

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

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