CONGRUENCE AND SIMILARITY - PRACTICE TEST | ALASKA 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 **Colourful spinner wheel is divided into four equal sections. Two right triangles have equal hypotenuses and one pair of equal legs. The congruence criterion that applies is**



A SSS

B SAS

C ASA

D HL

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2 **Triangle ABC is similar to triangle DEF. Angle A measures 42° and angle C measures 88°. Angle E measures**

- A 42°
- B 88°
- C 50°
- D 130°

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3 **Under a dilation centered at the origin with scale factor 4, the point (2, -3) maps to**

- A (8, 12)
- B (2, -12)
- C (8, -12)
- D (-8, -12)

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4 **The point (-4, -7) reflected across the x -axis maps to**

- A (-4, 7)
- B (4, -7)
- C (4, 7)
- D (-4, -7)

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5 **Under the translation (x + 2, y - 5), the point (-6, 9) maps to**

- A (-8, 14)
- B (-4, 14)
- C (-8, 4)
- D (-4, 4)

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ANSWER KEY

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

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