DELAWARE GEOMETRY · UNIT 1 · 10 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 **The point (5, 5) reflected across the x-axis maps to**

- A (5, -5)
- B (-5, 5)
- C (-5, -5)
- D (5, 5)

Understand It with Pulse | Flag a mistake

2 **The point (4, 2) rotated 90 degrees counterclockwise about the origin maps to**

- A (2, -4)
- B (-2, 4)
- C (-4, -2)
- D (2, 4)

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3 **Under the translation (x + 0, y + 3), the point (4, 0) maps to**

A (4, -3)

B (7, 0)

C (4, 3)

D (4, 0)

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4 **Two similar triangles have corresponding sides in the ratio 1:2. A side of the smaller triangle is 4. The corresponding side is**

ANSWER _____

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5 **Two triangles are described in which the hypotenuses are equal and one pair of legs is equal in two right triangles. Which congruence criterion applies?**

- A SSS
- B SAS
- C HL
- D ASA

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6 **Two angles of a triangle measure 69° and 81°. The third angle measures**

- A 40°
- B 20°
- C 150°
- D 30°

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7 An exterior angle of a triangle has remote interior angles measuring 37° and 73°. The exterior angle measures

- A 110°
- B 130°
- C 90°
- D 70°

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8 An isosceles triangle has a vertex angle of 120°. Each base angle measures

- A 40°
- B 30°
- C 20°
- D 120°

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9 **In a triangle, a midsegment is parallel to a base of length 18. The length of the midsegment is**

ANSWER _____

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10 **Two similar figures have a linear scale factor of 1:4. The smaller figure has perimeter 18. The larger perimeter is**

ANSWER _____

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ANSWER KEY

1.	A	**5.**	C	**9.**	9
2.	B	**6.**	D	**10.**	72
3.	C	**7.**	A		
4.	8	**8.**	B		

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