DELAWARE 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 **Large blue industrial electric motor with cooling fins and fan cover, mounted on a steel base, large in frame. An isosceles triangle has a vertex angle of 50°. Each base angle measures**



A 75°

B 55°

C 50°

D 65°

Understand It with Pulse | Flag a mistake

2 **In a triangle, a midsegment is parallel to a base of length 10. The length of the midsegment is**

ANSWER

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3 **Two similar figures have a linear scale factor of 1:3. The smaller figure has perimeter 12. The larger perimeter is**

ANSWER

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4 **Two similar figures have a linear scale factor of 1:3. The smaller figure has area 5. The larger area is**

ANSWER

Understand It with Pulse | Flag a mistake

5 **Under a dilation centered at the origin with scale factor 2, the point (2, 1) maps to**

A (2, 1)

B (4, 3)

C (4, 1)

D (4, 2)

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ANSWER KEY

1. D
2. 5
3. 36
4. 45
5. D

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