DELAWARE 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 **An exterior angle of a triangle has remote interior angles measuring 38° and 56°. The exterior angle measures**

- A 114°
- B 94°
- C 74°
- D 86°

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2 **In a right triangle, the side opposite an acute angle is 9, the adjacent side is 12, and the hypotenuse is 15. The cosine of the angle is**

- **A** $\frac{9}{15}$
- **B** $\frac{12}{9}$
- **C** $\frac{12}{15}$
- **D** $\frac{15}{12}$

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3 **In a 30-60-90 triangle, the shortest side is 5. The hypotenuse is**

- **A** 12
- **B** 5
- **C** 8
- **D** 10

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4 **A right triangle has legs of lengths 6 and 8. The hypotenuse has length**

A 10

B 12

C 9

D 14

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5 **Two angles of a triangle measure 78° and 77°. The third angle measures**

A 35°

B 25°

C 15°

D 155°

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ANSWER KEY

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

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