ALBERTA MATH 20-2 · UNIT 3 · 5 QUESTIONS

Angles and Triangles — 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 ladder leans at a steep angle against a wall. An angle measures 27°. The measure of its complement is**



A 63°

B 153°

C 73°

D 117°

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Flag a mistake

2 **Two straight lines intersect, forming an angle of 74°. The measure of an angle adjacent to it, forming a linear pair, is**

A 74°

B 16°

C 254°

D 106°

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3 **Triangle ABC is shown. AB = 3 cm, AC = 4 cm. The length of BC is**

A 5 cm

B 7 cm

C 3 cm

D 4 cm

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4 **Two parallel lines are cut by a transversal, forming an angle of 83° outside the parallel lines. The measure of its alternate exterior angle is**

- A 97°
- B 107°
- C 83°
- D 73°

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5 **Two similar triangles have corresponding sides of 4 cm and 6 cm. A side of the smaller triangle measures 10 cm. The length of the corresponding side of the larger triangle is**

- A 15 cm
- B 12 cm
- C 18 cm
- D 8 cm

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ANSWER KEY

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

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