ALBERTA MATH 10-3 · UNIT 3 · 10 QUESTIONS

Angles and Parallel Lines — 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 **Two parallel lines are cut by a transversal. A co-interior angle measures 75°. The other co-interior angle on the same side measures**

- A 75°
- B 105°
- C 15°
- D 285°

Understand It with Pulse | Flag a mistake

2 **In triangle ABC shown, angle A measures 45°. The measure of the third angle is**

- A 135°
- B 90°
- C 180°
- D 45°

Understand It with Pulse | Flag a mistake

3 **A quadrilateral has three angles measuring 80°, 95° and 100°. The measure of the fourth angle is**

- A 85°
- B 95°
- C 105°
- D 275°

Understand It with Pulse | Flag a mistake

4 **Two parallel lines are cut by a transversal. An interior angle measures 63°. Its alternate interior angle measures**

- A 117°
- B 27°
- C 63°
- D 297°

Understand It with Pulse | Flag a mistake

5 **Two angles are supplementary. One angle measures 104°. The other angle measures**

- A 104°
- B 76°
- C 284°
- D 14°

Understand It with Pulse | Flag a mistake

6 **A regular pentagon has five equal interior angles. Each interior angle measures**

- A 90°
- B 120°
- C 72°
- D 108°

Understand It with Pulse | Flag a mistake

7 **Two parallel lines are cut by a transversal. A corresponding angle measures 138°. The angle beside it on the straight line measures**

- A 42°
- B 138°
- C 48°
- D 222°

Understand It with Pulse | Flag a mistake

8 **An isosceles triangle has two equal base angles of 55° each. The measure of the vertex angle is**

- A 55°
- B 70°
- C 125°
- D 110°

Understand It with Pulse | Flag a mistake

9 **Two angles are complementary. One angle measures 68°. The other angle measures**

- A 112°
- B 32°
- C 22°
- D 158°

Understand It with Pulse | Flag a mistake

10 **A regular hexagon has six equal interior angles. Each interior angle measures**

A 60°

B 90°

C 108°

D 120°

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

© 2026 Brett Robbins. All Rights Reserved.