ALBERTA MATH 10-3 · UNIT 3 · 25 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 **In triangle ABC shown, angle C is classified as**

- A right
- B acute
- C obtuse
- D straight

Understand It with Pulse | Flag a mistake

2 **An angle measures 142°. The angle is classified as**

- A acute
- B right
- C obtuse
- D reflex

Understand It with Pulse | Flag a mistake

3 **A square corner on a picture frame measures 90°. The angle is classified as**

- A right
- B acute
- C obtuse
- D reflex

Understand It with Pulse | Flag a mistake

4 **An angle measures 210°. The angle is classified as**

- A acute
- B obtuse
- C straight
- D reflex

Understand It with Pulse | Flag a mistake

5 **The two sides of a straight ruler form an angle of 180°. The angle is classified as**

- A right
- B straight
- C reflex
- D obtuse

Understand It with Pulse | Flag a mistake

6 **Two angles are complementary. One angle measures 48°. The measure of the other angle is**

- A 32°
- B 52°
- C 42°
- D 132°

Understand It with Pulse | Flag a mistake

7 **Two angles are supplementary. One angle measures 65°. The measure of the other angle is**

- A 115°
- B 25°
- C 125°
- D 295°

Understand It with Pulse | Flag a mistake

8 **A brace and a shelf form complementary angles. One angle measures 27°. The measure of the other angle is**

- A 153°
- B 73°
- C 53°
- D 63°

Understand It with Pulse | Flag a mistake

9 **Two angles on a straight line are supplementary. One angle measures 138°. The measure of the other angle is**

- A 52°
- B 48°
- C 42°
- D 222°

Understand It with Pulse | Flag a mistake

10 **Two straight boards cross. Angle 1 measures 72° and is vertically opposite angle 3. The measure of angle 3 is**

- A 108°
- B 72°
- C 18°
- D 288°

Understand It with Pulse | Flag a mistake

11 **Two angles sit side by side on a straight line. One angle measures 118°. The measure of the angle beside it is**

- A 62°
- B 118°
- C 28°
- D 242°

Understand It with Pulse | Flag a mistake

12 **Two parallel rails are cut by a transversal. An angle of 84° and angle x are corresponding angles. The measure of angle x is**

- A 96°
- B 6°
- C 276°
- D 84°

Understand It with Pulse | Flag a mistake

13 **Two parallel lines are cut by a transversal. An interior angle measures 57°. Its alternate interior angle measures**

- A 123°
- B 33°
- C 57°
- D 303°

Understand It with Pulse | Flag a mistake

14 **Two parallel lines are cut by a transversal. A co-interior angle measures 110°. The other co-interior angle on the same side measures**

- A 110°
- B 70°
- C 20°
- D 250°

Understand It with Pulse | Flag a mistake

15 **Two parallel lines are cut by a transversal. An exterior angle measures 95°. Its alternate exterior angle measures**

- A 95°
- B 85°
- C 265°
- D 5°

Understand It with Pulse | Flag a mistake

16 **Triangle ABC is shown. Angle A measures 55° and angle B measures 65°. The measure of angle C is**

- A 50°
- B 70°
- C 240°
- D 60°

Understand It with Pulse | Flag a mistake

17 **In triangle ABC shown, angle A measures 38°. The measure of the other acute angle is**

A 38°

B 142°

C 52°

D 128°

Understand It with Pulse | Flag a mistake

18 **The sum of the interior angles of a pentagon is**

A 360°

B 540°

C 720°

D 180°

Understand It with Pulse | Flag a mistake

19 **An isosceles triangle has a vertex angle of 40° and two equal base angles. The measure of each base angle is**

- A 70°
- B 140°
- C 40°
- D 100°

Understand It with Pulse | Flag a mistake

20 **Two complementary angles have equal measures. Each angle measures**

- A 90°
- B 60°
- C 30°
- D 45°

Understand It with Pulse | Flag a mistake

21 **Three angles meet at a point on a workbench. Two measure 130° and 90°. The measure of the third angle is**

A 120°

B 230°

C 140°

D 50°

Understand It with Pulse | Flag a mistake

22 **Two parallel lines are cut by a transversal, forming an angle of 124°. The angle beside it on the straight line measures**

A 124°

B 56°

C 236°

D 34°

Understand It with Pulse | Flag a mistake

23 The sum of the interior angles of a hexagon is

- A 720°
- B 540°
- C 900°
- D 360°

Understand It with Pulse | Flag a mistake

24 Triangle ABC is shown. Angle A measures 70° and angle B measures 50°. The measure of angle C is

- A 50°
- B 60°
- C 120°
- D 70°

Understand It with Pulse | Flag a mistake

25 **Three angles lie on a straight line. Two measure 47° and 68°. The measure of the third angle is**

A 55°

B 75°

C 115°

D 65°

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	C	**10.**	B	**19.**	A
2.	C	**11.**	A	**20.**	D
3.	A	**12.**	D	**21.**	C
4.	D	**13.**	C	**22.**	B
5.	B	**14.**	B	**23.**	A
6.	C	**15.**	A	**24.**	B
7.	A	**16.**	D	**25.**	D
8.	D	**17.**	C		
9.	C	**18.**	B		

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