SASKATCHEWAN FOUNDATIONS OF MATHEMATICS 20 · UNIT B

Angles, Triangles and Triangle Trigonometry — Practice Test

Saskatchewan Foundations of Mathematics 20 • 25 questions

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 angles are complementary. One measures 31 degrees. The other, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A triangle has sides 4 and 7 with an included angle of 60 degrees. The third side is approximately**

A 6.1

B 7.1

C 5.1

D 11

Understand It with Pulse | Flag a mistake

3 **In a triangle , side a = 10 , angle A = 30 degrees and angle B = 45 degrees . Side b is approximately**

A 16.1

B 14.1

C 12.1

D 10

Understand It with Pulse | Flag a mistake

4 **In a triangle, two angles measure 36 degrees and 90 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **Two angles are complementary. One measures 37 degrees. The other, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A triangle has angles 50 degrees and 68 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A triangle has angles 77 degrees and 30 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Each interior angle of a regular 12-sided polygon, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **In a triangle , side a = 10 , angle A = 60 degrees and angle B = 30 degrees . Side b is approximately**

- A 7.8
- B 3.8
- C 5.8
- D 10

Understand It with Pulse | Flag a mistake

10 **In a triangle , side a = 20 , angle A = 30 degrees and angle B = 60 degrees . Side b is approximately**

- A 36.6
- B 32.6
- C 20
- D 34.6

Understand It with Pulse | Flag a mistake

11 **A triangle has angles 39 degrees and 52 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **In a triangle, two angles measure 34 degrees and 90 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **Two angles are complementary. One measures 24 degrees. The other, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **Each interior angle of a regular 10-sided polygon, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **A triangle has sides 5 and 6 with an included angle of 60 degrees. The third side is approximately**

A 5.6

B 6.6

C 4.6

D 11

Understand It with Pulse | Flag a mistake

16 **In a triangle , side a = 10 , angle A = 45 degrees and angle B = 30 degrees . Side b is approximately**

A 9.1

B 7.1

C 5.1

D 10

Understand It with Pulse | Flag a mistake

17 **Two angles are complementary. One measures 28 degrees. The other, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **In a triangle , side a = 10 , angle A = 30 degrees and angle B = 60 degrees . Side b is approximately**

A 19.3

B 15.3

C 17.3

D 10

Understand It with Pulse | Flag a mistake

19 **In a triangle, two angles measure 28 degrees and 90 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A triangle has sides 6 and 8 with an included angle of 60 degrees. The third side is approximately**

- A 8.2
- B 6.2
- C 14
- D 7.2

Understand It with Pulse | Flag a mistake

21 **A triangle has angles 38 degrees and 21 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **Two angles are complementary. One measures 36 degrees. The other, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **Two angles are complementary. One measures 20 degrees. The other, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **A triangle has angles 38 degrees and 58 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **Each interior angle of a regular 8-sided polygon, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 59
2. A
3. B
4. 54
5. 53
6. 62
7. 73
8. 150
9. C
10. D
11. 89
12. 56
13. 66
14. 144
15. A
16. B
17. 62
18. C
19. 62
20. D
21. 121
22. 54
23. 70
24. 84
25. 135

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