BRITISH COLUMBIA WORKPLACE MATHEMATICS 10 (MWPM-10) · UNIT C · 10 QUESTIONS

Trigonometry and Polygons — 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 a right triangle, the side opposite an angle is 9 cm and the side adjacent to it is 12 cm. The tangent of the angle is**

- A 1.33
- B 0.8
- C 0.6
- D 0.75

Understand It with Pulse | Flag a mistake

2 **Two angles of a triangle are 35 degrees and 55 degrees. The third angle, in degrees, is**

- A 90
- B 80
- C 70
- D 100

Understand It with Pulse | Flag a mistake

3 **The sum of the interior angles of a heptagon, in degrees, is**

- A 720
- B 1080
- C 900
- D 540

Understand It with Pulse | Flag a mistake

4 **Each interior angle of a regular pentagon, in degrees, is**

- A 72
- B 135
- C 120
- D 108

Understand It with Pulse | Flag a mistake

5 **Each exterior angle of a regular octagon, in degrees, is**

- A 45
- B 135
- C 60
- D 90

Understand It with Pulse | Flag a mistake

6 **Each exterior angle of a polygon is 30 degrees. The number of sides of the polygon is**

A 10

B 12

C 15

D 6

Understand It with Pulse | Flag a mistake

7 **One angle is 62 degrees. Its complementary angle, in degrees, is ____.**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Two vertical angles are formed by intersecting lines. One is 75 degrees. The other, in degrees, is**

- A 105
- B 75
- C 15
- D 90

Understand It with Pulse | Flag a mistake

9 **In a right triangle, an angle is 30 degrees and the hypotenuse is 14 cm. The side opposite the angle, in centimetres, is**

- A 7
- B 12.12
- C 28
- D 21

Understand It with Pulse | Flag a mistake

10 **A ladder leans against a wall with its foot 6 m from the wall and its top 8 m above the ground. The length of the ladder, in metres, is**

- A 14
- B 10
- C 12
- D 7

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	D	**5.**	A	**9.**	A
2.	A	**6.**	B	**10.**	B
3.	C	**7.**	28		
4.	D	**8.**	B		

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