QUEBEC MATHEMATICS, SCIENCE OPTION, SECONDARY IV · UNIT C

Geometry — Practice Test

Quebec Mathematics, Science Option, Secondary IV • 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 **A rectangle has length 22 and width 8. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The cosine of 60 degrees is**

A 0.5

B 1

C 0.87

D 0

Understand It with Pulse | Flag a mistake

3 **A rectangle has length 10 and width 7. Its perimeter is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Two sides of length 6 meet at 60 degrees. By the cosine law the third side is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A rectangle has length 13 and width 5. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **Two angles of a triangle are 72 degrees and 62 degrees. The third angle in degrees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **Two sides of length 8 meet at 60 degrees. By the cosine law the third side is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Triangle ABC is right angled at A with AB=5 and AC=12. The length of BC is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The x coordinate of the midpoint of (6,4) and (12,10) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A rectangular prism has length 7 width 7 and height 6. Its volume is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 The tangent of 45 degrees is

- A 1
- B 0.5
- C 0
- D 2

Understand It with Pulse | Flag a mistake

12 A triangle has base 12 and height 11. Its area is

ANSWER _____

Understand It with Pulse | Flag a mistake

13 The x coordinate of the midpoint of (5,4) and (13,10) is

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **A rectangle has length 11 and width 8. Its perimeter is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **Two lines that meet at a right angle are**

A perpendicular

B parallel

C coincident

D skew

Understand It with Pulse | Flag a mistake

16 **A cube has side 5. Its surface area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **A circle has radius 7. Using pi=3.14 its circumference is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **Two sides of length 7 meet at 60 degrees. By the cosine law the third side is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **A rectangle has length 14 and width 9. Its perimeter is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A rectangular prism has length 5 width 5 and height 12. Its volume is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **A circle has radius 7. Using pi=3.14 its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **Two triangles are similar with a scale factor of 2. A side of length 8 in the smaller triangle has length in the larger triangle**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **Two angles of a triangle are 92 degrees and 37 degrees. The third angle in degrees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **A right triangle has hypotenuse 13 and one leg 5. The other leg is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **A straight angle is split into 42 degrees and another angle. The other angle in degrees is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	176	**10.**	294	**19.**	46
2.	A	**11.**	A	**20.**	300
3.	34	**12.**	66	**21.**	153.86
4.	6	**13.**	9	**22.**	16
5.	65	**14.**	38	**23.**	51
6.	46	**15.**	A	**24.**	12
7.	8	**16.**	150	**25.**	138
8.	13	**17.**	43.96		
9.	9	**18.**	7		

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