Geometry — Practice Test

Quebec Mathematics, Technical and Scientific Option, Secondary V • 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 **The x coordinate of the midpoint of (11,4) and (19,10) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The distance between (4,0) and (7,4) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Two triangles are similar with a scale factor of 2. A side of length 10 in the smaller triangle has length in the larger triangle**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **An observer 49 metres from a tower sees its top at 45 degrees. The tower height in metres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A rectangle has length 12 and width 9. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A rectangle has length 24 and width 10. Its perimeter is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A triangle has base 20 and height 12. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Two sides of length 10 meet at 60 degrees. By the cosine law the third side is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The tangent of 60 degrees is**

A 1.73

B 1

C 0.5

D 0

Understand It with Pulse | Flag a mistake

10 **Two lines in the same plane that never meet are**

- A perpendicular
- B parallel
- C intersecting
- D coincident

Understand It with Pulse | Flag a mistake

11 **The distance between (5,2) and (8,6) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **Two angles of a triangle are 94 degrees and 39 degrees. The third angle in degrees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **Two triangles are similar with a scale factor of 4. A side of length 12 in the smaller triangle has length in the larger triangle**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **A right triangle has hypotenuse 25 and one leg 7. The other leg is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **A rectangle has length 24 and width 10. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **A cube has side 8. Its surface area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **Two sides of length 12 meet at 60 degrees. By the cosine law the third side is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **A triangle has base 16 and height 13. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **The x coordinate of the midpoint of (10,4) and (16,10) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A straight angle is split into 39 degrees and another angle. The other angle in degrees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **A rectangle has length 16 and width 11. Its perimeter is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **A sector of a circle of radius 14 has an angle of 90 degrees. Using pi=3.14 its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **Two sides of length 9 meet at 60 degrees. By the cosine law the third side is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **A straight angle is split into 59 degrees and another angle. The other angle in degrees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **The sine of 60 degrees is**

A 0.87

B 0.5

C 1

D 0.71

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	15	**10.**	B	**19.**	13
2.	5	**11.**	5	**20.**	141
3.	20	**12.**	47	**21.**	54
4.	49	**13.**	48	**22.**	153.86
5.	108	**14.**	24	**23.**	9
6.	68	**15.**	240	**24.**	121
7.	120	**16.**	384	**25.**	A
8.	10	**17.**	12		
9.	A	**18.**	104		

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