Geometry — Practice Test

Quebec Mathematics, Technical and Scientific 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 **Triangle ABC is right angled at A with AB=6 and AC=8. The length of BC is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A circle has radius 5. Using pi=3.14 its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A circle has radius 8. Using pi=3.14 its circumference is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **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

5 **A gear has 22 teeth around a circle of diameter 11. The number of teeth per centimetre of diameter is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A rectangle has length 13 and width 8. Its perimeter is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **Two triangles are similar with a scale factor of 4. A side of length 9 in the smaller triangle has length in the larger triangle**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A rectangle has length 12 and width 4. Its perimeter is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **In a right triangle with opposite 3 hypotenuse 5 the sine of the angle is**

A 0.6

B 0.8

C 0.75

D 1.25

Understand It with Pulse | Flag a mistake

10 **The distance between (3,1) and (6,5) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **Two lines that never meet are**

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

Understand It with Pulse | Flag a mistake

12 **The distance between (1,0) and (4,4) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **A straight angle is split into 56 degrees and another angle. The other angle in degrees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **A triangle with all sides equal is**

A equilateral

B isosceles

C scalene

D right

Understand It with Pulse | Flag a mistake

15 **Two triangles are similar with a scale factor of 2. A side of length 7 in the smaller triangle has length in the larger triangle**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **A circle has radius 11. Using pi=3.14 its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **A rectangle has length 16 and width 5. Its perimeter is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **A right triangle has hypotenuse 20 and one leg 12. The other leg is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A rectangle has length 10 and width 7. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **A triangle has base 14 and height 9. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **A rectangular prism has length 6 width 6 and height 5. Its volume is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **A circle has radius 6. Using pi=3.14 its circumference is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **A right triangle has hypotenuse 10 and one leg 6. The other leg is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	10	**10.**	5	**19.**	16
2.	78.5	**11.**	A	**20.**	70
3.	50.24	**12.**	5	**21.**	12
4.	7	**13.**	124	**22.**	63
5.	2	**14.**	A	**23.**	180
6.	42	**15.**	14	**24.**	37.68
7.	36	**16.**	379.94	**25.**	8
8.	32	**17.**	42		
9.	A	**18.**	7		

© 2026 Brett Robbins. All Rights Reserved.