QUEBEC MATHEMATICS, SCIENCE OPTION, SECONDARY V · UNIT C

Geometry — Practice Test

Quebec Mathematics, Science 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 **A straight angle is split into 75 degrees and another angle. The other angle in degrees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Two triangles are similar with a scale factor of 5. A side of length 20 in the smaller triangle has length in the larger triangle**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A rectangle has length 13 and width 10. Its perimeter is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The distance between (7,1) and (10,5) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A circle has radius 12. Using pi=3.14 its circumference is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **Two sides of length 11 meet at 60 degrees. By the cosine law the third side is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A triangle has base 22 and height 13. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **The distance between (6,2) and (9,6) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **Two triangles are similar with a scale factor of 2. A side of length 11 in the smaller triangle has length in the larger triangle**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **An observer 50 metres from a tower sees its top at 45 degrees. The tower height in metres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **Two triangles are similar with a scale factor of 3. A side of length 14 in the smaller triangle has length in the larger triangle**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **Two angles of a triangle are 95 degrees and 40 degrees. The third angle in degrees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **An observer 25 metres from a tower sees its top at 45 degrees. The tower height in metres is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **The sine of 60 degrees is**

A 0.87

B 0.5

C 1

D 0.71

Understand It with Pulse | Flag a mistake

15 **The x coordinate of the midpoint of (13,4) and (21,10) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **A vector has components 9 and 12. Its magnitude is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **A straight angle is split into 40 degrees and another angle. The other angle in degrees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **A triangle has base 18 and height 14. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **A sector of a circle of radius 15 has an angle of 90 degrees. Using pi=3.14 its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **Two angles of a triangle are 105 degrees and 45 degrees. The third angle in degrees is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **The tangent of 60 degrees is**

A 1.73

B 1

C 0.5

D 0

Understand It with Pulse | Flag a mistake

22 **Triangle ABC is right angled at A with AB=20 and AC=21. The length of BC is**

ANSWER

Understand It with Pulse | Flag a mistake

23 **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

24 **A vector has components 6 and 8. Its magnitude is**

ANSWER

Understand It with Pulse | Flag a mistake

25 **Two angles of a triangle are 75 degrees and 65 degrees. The third angle in degrees is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 105
2. 100
3. 46
4. 5
5. 75.36
6. 11
7. 143
8. 5
9. 22
10. 50
11. 42
12. 45
13. 25
14. A
15. 17
16. 15
17. 140
18. 126
19. 176.62
20. 30
21. A
22. 29
23. B
24. 10
25. 40

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