ANGLES AND TRIANGLES, SINE LAW AND COSINE LAW - PRACTICE TEST | NEW BRUNSWICK FOUNDATIONS OF MATHEMATICS 110 · UNIT B · 10 QUESTIONS

Angles and Triangles, Sine Law and Cosine Law — 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 **A triangle has angles 20 degrees and 110 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A triangle has sides 6 and 6 enclosing a 60 degree angle. The third side² is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **In a triangle, a side of length 8 is opposite a 30 degree angle. The side opposite a 90 degree angle in the same triangle, by the sine law, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A triangle has sides 12 and 16 enclosing a 90 degree angle. The third side is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A triangle has angles 40 degrees and 70 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A triangle has sides 8 and 8 enclosing a 60 degree angle. The third side² is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **In a triangle, a side of length 14 is opposite a 30 degree angle. The side opposite a 90 degree angle in the same triangle, by the sine law, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A triangle has angles 25 degrees and 95 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A triangle has sides 12 and 12 enclosing a 60 degree angle. The third side² is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **In a triangle, a side of length 22 is opposite a 30 degree angle. The side opposite a 90 degree angle in the same triangle, by the sine law, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	50	**5.**	70	**9.**	144
2.	36	**6.**	64	**10.**	44
3.	16	**7.**	28		
4.	20	**8.**	60		

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