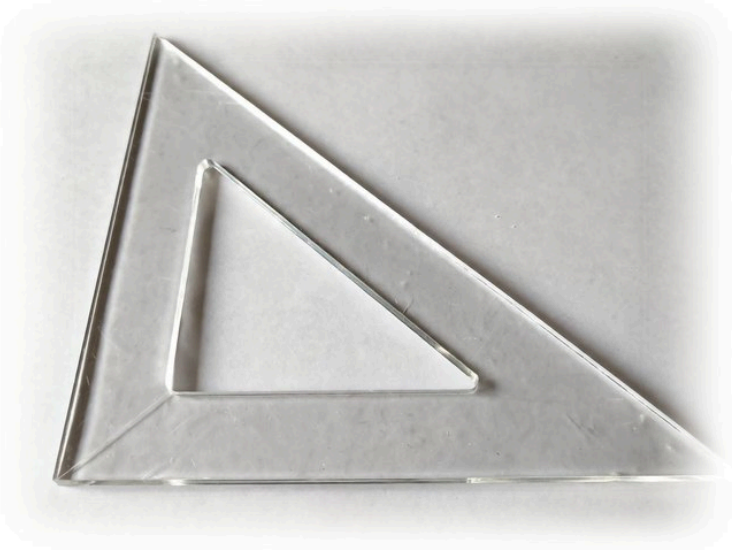
ONTARIO PRINCIPLES OF MATHEMATICS, GRADE 10, ACADEMIC (MPM2D) · UNIT D · 5 QUESTIONS

Trigonometry — 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 clear plastic triangular set square ruler lies flat on a plain white surface. In a triangle, side a has length 8 opposite angle A of 30 degrees. Side b is opposite angle B of 90 degrees. The length of side b is**



A 8

B 16

C 32

D 19

Understand It with Pulse

Flag a mistake

2 **In a triangle, side a has length 12 opposite angle A of 90 degrees. Side b has length 6. The measure of angle B, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **In a triangle, side a has length 20 opposite angle A of 90 degrees. Side b has length 10. The measure of angle B, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **In triangle ABC shown, side CA has length 5 and side CB has length 8, with an included angle of 60 degrees at C. The length of side AB is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **In a triangle, two sides have lengths 3 and 5 with an included angle of 120 degrees. The length of the side opposite the included angle is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. 30
3. 30
4. 7
5. 7

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