Pythagorean Theorem and Trigonometry — Practice Test

Newfoundland and Labrador Mathematics 1202 • 10 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 right triangle has hypotenuse 20 and one leg 12. The other leg is**

ANSWER _____

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2 **A right triangle has legs 3 and 4. Its hypotenuse is**

A 6

B 5

C 4

D 7

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3 **Which term matches this description: adjacent over hypotenuse in a right triangle?**

- A cosine
- B tangent
- C reference angle
- D ladder problem

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4 **Which term matches this description: in a right triangle the squares on the legs sum to the square on the hypotenuse?**

- A Pythagorean theorem
- B right triangle
- C leg
- D sine

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5 **Which term matches this description: one of the two shorter sides of a right triangle?**

- A sine
- B cosine
- C leg
- D tangent

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6 **Which term matches this description: opposite over adjacent in a right triangle?**

- A reference angle
- B tangent
- C ladder problem
- D ramp slope

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7 **Which term matches this description: opposite over hypotenuse in a right triangle?**

- A cosine
- B tangent
- C reference angle
- D sine

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8 **Which term matches this description: the acute angle used in a trig ratio?**

- A ladder problem
- B ramp slope
- C reference angle
- D shadow method

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9 **Which term matches this description: the rise divided by the run of a ramp?**

- A ramp slope
- B shadow method
- C clinometer
- D scale drawing

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10 **Which term matches this description: using shadows and similar triangles to find a height?**

- A clinometer
- B shadow method
- C scale drawing
- D Pythagorean theorem

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ANSWER KEY

1.	16	**5.**	C	**9.**	A
2.	B	**6.**	B	**10.**	B
3.	A	**7.**	D		
4.	A	**8.**	C		

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