NOVA SCOTIA MATHEMATICS 10 · UNIT B · 10 QUESTIONS

Right Triangle 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 right triangle has hypotenuse 10 and one leg 6. The other leg is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A right triangle has hypotenuse 15 and one leg 9. The other leg is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **In a right triangle the side across from the right angle is called the**

- A hypotenuse
- B opposite side
- C adjacent side
- D altitude

Understand It with Pulse | Flag a mistake

5 **The sine of an angle in a right triangle equals opposite side divided by**

- A adjacent side
- B hypotenuse
- C opposite side
- D right angle

Understand It with Pulse | Flag a mistake

6 **The tangent of an angle in a right triangle equals opposite side divided by**

- A hypotenuse
- B opposite side
- C adjacent side
- D right angle

Understand It with Pulse | Flag a mistake

7 **The sine of 30 degrees is**

- A 0.866
- B 1
- C 0.7071
- D 0.5

Understand It with Pulse | Flag a mistake

8 The cosine of 60 degrees is

- A 0.5
- B 0.866
- C 1
- D 0

Understand It with Pulse | Flag a mistake

9 The right triangle shown has its sides labelled. The value of sin B is

- A $\frac{4}{5}$
- B $\frac{3}{5}$
- C $\frac{3}{4}$
- D $\frac{4}{3}$

Understand It with Pulse | Flag a mistake

10 The right triangle shown has its sides labelled. The value of cos B is

A $\frac{3}{5}$

B $\frac{4}{3}$

C $\frac{4}{5}$

D $\frac{3}{4}$

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 8
2. 12
3. 12
4. A
5. B
6. C
7. D
8. A
9. B
10. C

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