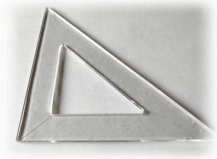
TRIGONOMETRY AND MEASUREMENT - PRACTICE TEST | MISSISSIPPI GEOMETRY · UNIT 3 · 5 QUESTIONS

Trigonometry and Measurement, 5-question test — Practice Test

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1 **A clear plastic triangular set square ruler lies flat on a plain white surface. In a right triangle, the side opposite an acute angle is 8 and the hypotenuse is 10. The sine of the angle is**



Question 1

A clear plastic triangular set square ruler lies flat on a plain white surface. In a right triangle, the side opposite an acute angle is 8 and the hypotenuse is 10. The sine of the angle is

A) 0.6 B) 0.8

C) 1.25 D) 0.75

- **A** 0.6
- **B** 0.8
- **C** 1.25
- **D** 0.75

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2

In a right triangle, the side opposite an acute angle is 12 and the adjacent side is 5. The tangent of the angle is

Question 2

In a right triangle, the side opposite an acute angle is 12 and the adjacent side is 5. The tangent of the angle is

A) $\frac{5}{12}$

B) $\frac{5}{13}$

C) $\frac{12}{5}$

D) $\frac{12}{13}$

A 5/12

B 5/13

C 12/5

D 12/13

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3

In a right triangle, an angle measures 60° and the adjacent side is 4. The hypotenuse is

Question 3

In a right triangle, an angle measures 60° and the adjacent side is 4. The hypotenuse is

A) 2

B) 6.9

C) 8

D) 4

A 2

B 6.9

C 8

D 4

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4

In a right triangle, an angle measures 30° and the hypotenuse is 14. The opposite side is

Question 4

In a right triangle, an angle measures 30° and the hypotenuse is 14. The opposite side is

A) 7

B) 14

C) 12.1

D) 3.5

A 7

B 14

C 12.1

D 3.5

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5

In a right triangle, the side adjacent to an acute angle is 4 and the hypotenuse is 8. The angle measures

Question 5

In a right triangle, the side adjacent to an acute angle is 4 and the hypotenuse is 8. The angle measures

A) 30°

B) 60°

C) 45°

D) 90°

A 30°

B 60°

C 45°

D 90°

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ANSWER KEY

1. B
2. C
3. C
4. A
5. B

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