SASKATCHEWAN FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 · UNIT B · 10 QUESTIONS

Trigonometry and Primary Trigonometric Ratios — 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 30 and an acute angle of 60 degrees. The side opposite the angle is approximately**

- A 26
- B 29
- C 23
- D 30

Understand It with Pulse | Flag a mistake

2 **A right triangle has hypotenuse 39 and one leg 15. The other leg is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A right triangle has an adjacent side of 21 and an acute angle of 30 degrees. The side opposite the angle is approximately**

- A 15.1
- B 9.1
- C 21
- D 12.1

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4 **A right triangle has hypotenuse 12 and an acute angle of 45 degrees. The side adjacent to the angle is approximately**

- A 8.5
- B 11.5
- C 5.5
- D 12

Understand It with Pulse | Flag a mistake

5 **The exact value of tan 60 degrees is**

A $\sqrt{3}/2$

B $\frac{1}{2}$

C $\sqrt{3}$

D 1

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6 **A right triangle has hypotenuse 26 and an acute angle of 45 degrees. The side opposite the angle is approximately**

A 21.4

B 18.4

C 15.4

D 26

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7 **A right triangle has hypotenuse 10 and one leg 6. The other leg is**

ANSWER _____

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8 **A right triangle has an adjacent side of 24 and an acute angle of 30 degrees. The side opposite the angle is approximately**

A 16.9

B 13.9

C 10.9

D 24

Understand It with Pulse | Flag a mistake

9 **A right triangle has hypotenuse 40 and an acute angle of 60 degrees. The side opposite the angle is approximately**

- A 37.6
- B 31.6
- C 40
- D 34.6

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

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. 36
3. D
4. A
5. C
6. B
7. 8
8. B
9. D
10. 12

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