Edulyte

# COSECANT FORMULA

If you want to develop your understanding on the concept of trigonometry then you are at the right page. You will get to know about the formulas, practical examples, graph presentation and most important is use of cosecant in daily life. You will also get a chance to improve your understanding through the worksheet that is given in the end at this page.

Read more

## Q1: What is the relationship between the cosecant and sine functions?

A: They have the same function.
B: They are reciprocals of each other.
C: They have no mathematical relationship.
D: They are inverses of each other.

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## Q2: What is the graphical shape of the cosecant function?

A: A straight line
B: A parabola
C: A sinusoidal curve with asymptotes
D: A circle

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## Q3: What is the range of the cosecant function?

A: All real numbers
B: All positive real numbers
C: All real numbers except 0
D: All integers

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## Q4: What is the formula of cosecant?

A: 1/cos
B: 1/sin θ
C: 1/ sin
D: 1/cot

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## Q5: Which would be the reciprocal of cosecant?

A: Tan θ
B: Cosθ
C: Sinθ
D: both B and C

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## Q6: How to measure cosθ?

A: adjacent/hypotenuse
B: hypotenuse/adjacent
C: mean/median
D: None of these

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## Q7: Cosecant is useful in present life?

A: Yes
B: No

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## Q8: Where is the usefulness of cosec?

A: Use for solving equations
B: Use in physics
C: Use in engineering
D: All of the Above

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## Q9: What are the general mistakes that students commit in cosecant?

A: Not familiar with trigonometric equations
B: Use the wrong formula
C: Both A and B
D: None of the above

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## Q10: What is the value of the angle at sin 30º?

A: 45º
B: 1/2
C: 2/3
D: None of them

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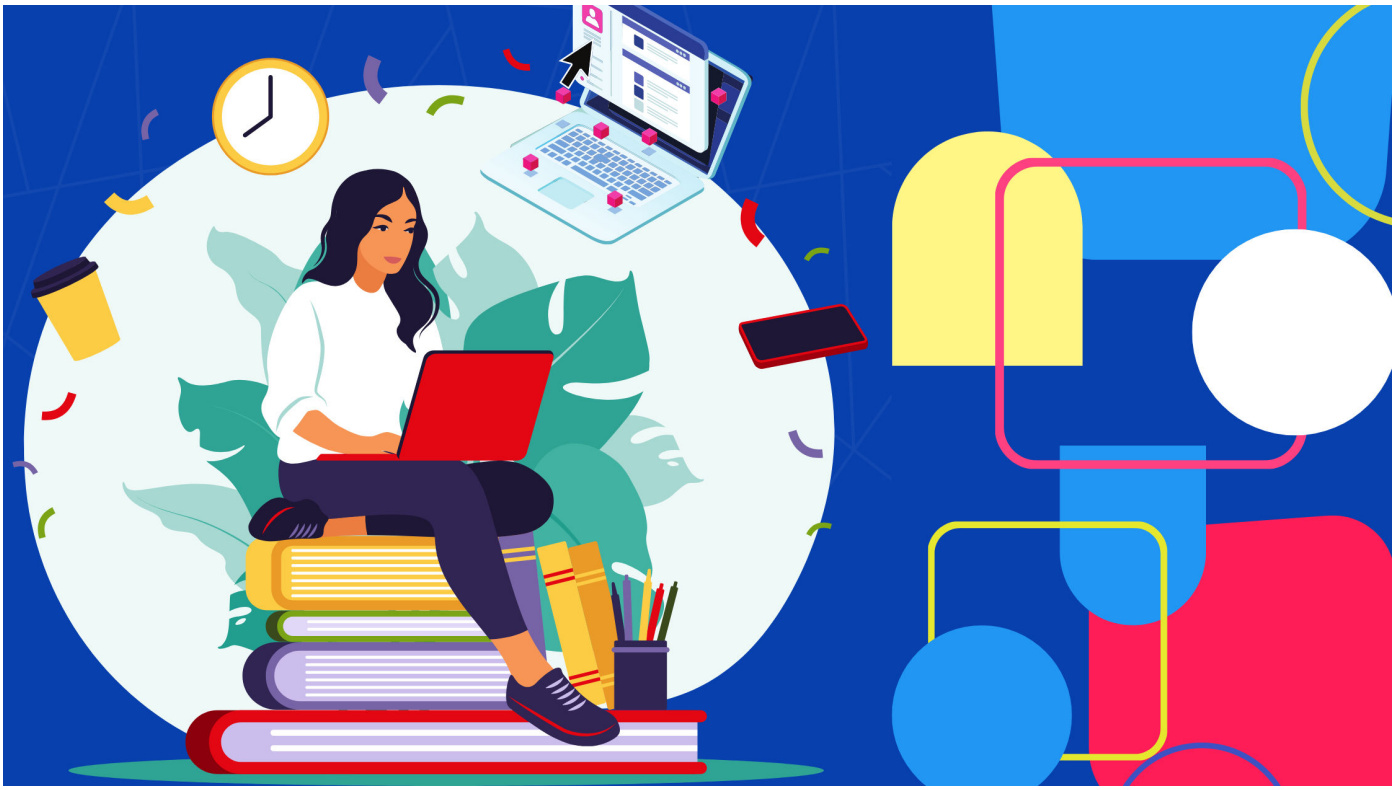

## Answers

**Q1:** B - They are reciprocals of each other.

**Q2:** C - A sinusoidal curve with asymptotes

**Q3:** C - All real numbers except 0

**Q4:** B - 1/sin θ

**Q5:** C - Sinθ

**Q6:** A - adjacent/hypotenuse

**Q7:** A - Yes

**Q8:** D - All of the Above

**Q9:** C - Both A and B

**Q10:** B - 1/2