

How can I use the SEC function in Excel to calculate the secant of a given angle?

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The SEC function in Excel is a mathematical tool that allows you to calculate the secant of a given angle. The secant is a trigonometric ratio that represents the ratio of the hypotenuse to the adjacent side of a right triangle. Using the SEC function, you can simply enter the angle for which you want to calculate the secant and the function will return the result. This function is particularly useful for performing complex calculations involving trigonometric functions in Excel. By using the SEC function, you can easily and accurately determine the secant of any angle, making it a valuable tool for mathematical analysis and problem-solving.

This article describes the formula syntax and usage of the SEC function in Microsoft Excel.

Description

Returns the secant of an angle.

Syntax

SEC(number)

The SEC function syntax has the following arguments.

Number Required. Number is the angle in radians for which you want the secant.

Remarks

The absolute value of number must be less than 2^{27} .

If the angle is in degrees, either multiply the angle by $\text{PI}()/180$ or use the RADIANS function to convert the angle to radians.

If number is outside of its constraints, SEC returns the #NUM! error value.

If number is a non-numeric value, SEC returns the #VALUE! error values.