

## Sine, Cosine, &amp; Tangent

# Trigonometry of Right Triangles

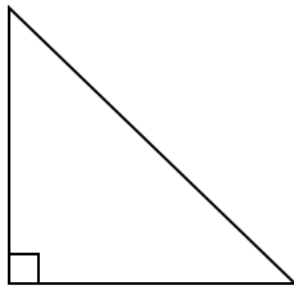
Trigonometric functions can help us find missing \_\_\_\_\_ of right triangles.

The three trigonometric functions are \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.

Trigonometric functions can be used if we know one \_\_\_\_\_ (besides the right angle) and at least one \_\_\_\_\_ of the right triangle.

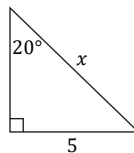
The input of a trigonometric function is an \_\_\_\_\_ and the output is a ratio of \_\_\_\_\_.

# Trigonometric Ratios of Right Triangles

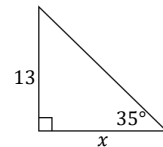


Examples: Solve for the variable.

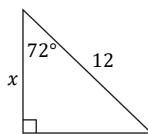
1.



2.



3.



4.

