

# MATH110 - College Trigonometry

Short Quiz 008

What expression gives the hypotenuse  $h$  of the triangle below?

= $12/\cos 20$

A right triangle can be solved if the only known measure is that of a leg.

=False

Which of the following trigonometric ratios do not involve the adjacent leg?

=sine

In right  $\triangle ABC$ ,  $\sec A = ?$

= $13/12$

What trigonometric function is equal to the ratio of the adjacent leg to the opposite leg?

=cotangent

Which of the following statements is TRUE about the cosecant of an acute angle in a right triangle?

= Its value is greater than 1.

If  $\cot \theta = 11/60$ , then what is  $x$ ?

=300

The ratio of the hypotenuse to the adjacent leg is called the secant.

=True

Solve the right triangle below.

=  $x = 30$ ,  $mA = 28.07^\circ$ ,  $mB = 61.93^\circ$

The sum of the measures of the two acute angles in a right triangle is always equal to 90.

=True