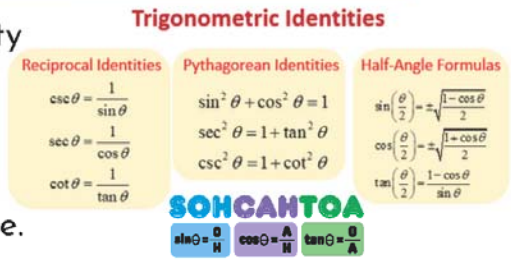
Name : Class :

Trigonometric Identities

A Trigonometric Identity is an equation involving the trigonometric functions that holds for all values of the variable.



Find the values using Quotient and reciprocal Identities

1) If $\csc x = \frac{9}{5}$ find the sin x

$\sin x = \frac{5}{9}$

2) If $\sin x = \frac{5}{13}$ and $\cos x = \frac{6}{13}$ find the tan x

$\tan x = \frac{5}{6}$

3) If $\sec x = \frac{2}{5}$ find the cos x

$\cos x = \frac{5}{2}$

4) If $\sin x = \frac{3}{7}$ and $\cot x = \frac{4}{5}$ find the sec x

$\sec x = \frac{28}{15}$

5) If $\tan x = \frac{2}{3}$ find the cot x

$\cot x = \frac{3}{2}$

6) If cos x = 12 and cot x = 14 find the csc x

$\csc x = \frac{6}{7}$