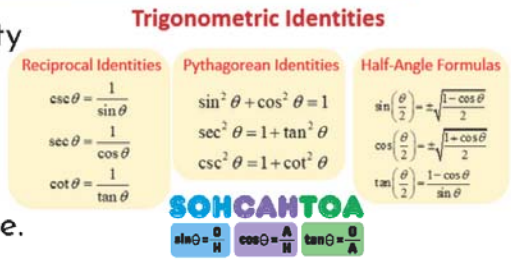
Name : Class :

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 Identities

1) If $\sin x = \frac{3}{5}$ and $\cos x = \frac{4}{5}$ find the $\tan x$

$\tan x = \frac{3}{4}$

2) If $\tan x = \frac{4}{5}$ and $\cos x = \frac{3}{5}$ find the $\sin x$

$\sin x = \frac{12}{15}$

3) If $\tan x = \frac{3}{5}$ and $\sin x = \frac{4}{5}$ find the $\cos x$

$\cos x = \frac{4}{3}$

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

$\cos x = \frac{12}{25}$

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

$\cot x = \frac{4}{3}$

6) If $\cos x = 3$ and $\cot x = 4$ find the $\sin x$

$\cos x = \frac{3}{4}$