

Quotient and Reciprocal Identities

- 1) If $\cos x = \frac{\sqrt{3}}{2}$ and $\tan x = -\frac{1}{\sqrt{3}}$, find $\sin x$.
- 2) If $\sin x = \frac{9}{14}$, find $\csc x$.

- 3) If $\tan x = \frac{1}{7}$, find $\sec x$ and $\cos x = -\frac{48}{73}$,

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- 5) If $\sin x = \frac{\sqrt{5}}{3}$, find $\csc x$ and $\sec x$ for trigonometric functions.