

In a unit circle,

Quotient identities

Reciprocal identities

Pythagorean identities

Negative angle identities

Identities involving $\pi - t$

Periodicity identities

Find $\cot \theta$ and $\csc \theta$
if $\cos \theta = \frac{5}{9}$ and $\csc \theta < 0$.

Find $\tan \theta$ and $\cot \theta$

if $\sec \theta = -\frac{7}{5}$ and $\sin \theta < 0$.

Find $\cos \theta$ and $\csc \theta$

if $\sec \theta = \frac{4}{3}$ and $\cot \theta > 0$.

Find $\sec \theta$ and $\cos \theta$

if $\cot \theta = -3$ and $\sec \theta > 0$.

Find $\sin \theta$ and $\tan \theta$

if $\csc \theta = -\frac{5}{2}$ and $\sec \theta < 0$.