

# Download Theta In Trig

Here are some examples of simple identity proofs with reciprocal and quotient identities. Typically, to do these proofs, you must always start with one side (either side, but usually take the more complicated side) and manipulate the side until you end up with the other side. These tables are the formulae needed for side and angle functions of a right triangle. In case you need it, here is the Triangle Angle Calculator, and the Right Triangle Angle And Side Calculator.  $\tan(x \pm y) = \frac{\tan x \pm \tan y}{1 \mp \tan x \tan y}$   $\sin(2x) = 2 \sin x \cos x$   $\cos(2x) = \cos^2(x) - \sin^2(x) = 2 \cos^2(x) - 1 = 1 - 2 \sin^2(x)$   $\tan(2x) = \frac{2 \tan(x)}{1 - \tan^2(x)}$  ...Hit Submit (the arrow to the right of the problem) to solve this problem. You can also type in more problems, or click on the 3 dots in the upper right hand corner to drill down for example problems.