

Trig Identities Block Game Pieces

Which trig function? <u>opposite</u> adjacent	Simplify. $\frac{\cos x}{\sin x}$	Simplify. $\frac{\sin \theta}{\cos \theta}$	Simplify. $\frac{1}{\tan x}$
Which trig function? <u>opposite</u> hypotenuse	Which trig function? <u>adjacent</u> hypotenuse	Simplify. $\frac{1}{\cot x}$	Simplify. $\frac{1}{\csc \theta}$
Simplify. $\frac{1}{\tan^2 t}$	Simplify. $\frac{1}{\sec^2 x}$	Simplify. $\frac{1}{\cos^2 \theta}$	Simplify. $\sin \alpha \csc \alpha$
Simplify. $\frac{1}{\sin^2 x}$	Simplify. $\frac{1}{\csc^2 \theta}$	Simplify. $\frac{1}{\cot^2 \beta}$	Simplify. $1 - \cos^2 t$
Simplify. $\tan^2 \theta - \sec^2 \theta$	Simplify. $\cot^2 x - \csc^2 x$	Simplify. $\csc^2 \alpha - \cot^2 \alpha$	Simplify. $\sec^2 t - \tan^2 t$
Simplify. $\sec(-t)$	Simplify. $\cot(-\theta)$	Simplify. $\csc(-x)$	Simplify. $\tan(-\alpha)$
Simplify. $\frac{1}{\sin \theta}$	Simplify. $\frac{1}{\cos t}$	Simplify. $\tan^2 x + 1$	Simplify. $\sin \theta \cot \theta$
Simplify. $\frac{1}{\sec x}$	Simplify. $\sin^2 \alpha + \cos^2 \alpha$	Simplify. $\csc^2 \beta - 1$	Simplify. $1 + \cot^2 t$
Simplify. $\cos z \tan z$	Simplify. $\sin^2 \theta - 1$	Simplify. $\cos(-y)$	Simplify. $\sin(-x)$

$\cot x$	$\tan \theta$	$\cot x$	tangent
$\sin \theta$	$\tan x$	cosine	sine
1	$\sec^2 \theta$	$\cos^2 x$	$\cot^2 t$
$\sin^2 t$	$\tan^2 \beta$	$\sin^2 \theta$	$\csc^2 x$
1	1	-1	-1
$-\tan \alpha$	$-\csc x$	$-\cot \theta$	$\sec t$
$\cos \theta$	$\sec^2 x$	$\sec t$	$\csc \theta$
$\csc^2 t$	$\cot^2 \beta$	1	$\cos x$
$-\sin x$	$\cos y$	$-\cos^2 \theta$	$\sin z$