

Formules trigonométriques

$\sin^2 x + \cos^2 x = 1$	$\cos^2 x = \frac{1}{1 + \tan^2 x}$	$\sin^2 x = \frac{\tan^2 x}{1 + \tan^2 x}$	$1 + \tan^2 x = \frac{1}{\cos^2 x}$
$\sin(\pi - x) = \sin x$	$\sin(\pi + x) = -\sin x$	$\sin(-x) = -\sin x$	
$\cos(\pi - x) = -\cos x$	$\cos(\pi + x) = -\cos x$	$\cos(-x) = \cos x$	
$\tan(\pi - x) = -\tan x$	$\tan(\pi + x) = \tan x$	$\tan(-x) = -\tan x$	
$\sin\left(\frac{\pi}{2} - x\right) = \cos x$	$\sin\left(\frac{\pi}{2} + x\right) = \cos x$		
$\cos\left(\frac{\pi}{2} - x\right) = \sin x$	$\cos\left(\frac{\pi}{2} + x\right) = -\sin x$		
$\tan\left(\frac{\pi}{2} - x\right) = \cot x$	$\tan\left(\frac{\pi}{2} + x\right) = -\cot x$		
$\sin(x + y) = \sin x \cos y + \cos x \sin y$		$\tan(x + y) = \frac{\tan x + \tan y}{1 - \tan x \tan y}$	
$\sin(x - y) = \sin x \cos y - \cos x \sin y$		$\tan(x - y) = \frac{\tan x - \tan y}{1 + \tan x \tan y}$	
$\cos(x + y) = \cos x \cos y - \sin x \sin y$			
$\cos(x - y) = \cos x \cos y + \sin x \sin y$			
$\sin 2x = 2 \sin x \cos x$	$\cos^2 x = \frac{1}{2}(1 + \cos 2x)$		
$\cos 2x = \cos^2 x - \sin^2 x$	$\sin^2 x = \frac{1}{2}(1 - \cos 2x)$		
$\sin 2x = \frac{2 \tan x}{1 + \tan^2 x}$	$\cos 2x = \frac{1 - \tan^2 x}{1 + \tan^2 x}$	$\tan 2x = \frac{2 \tan x}{1 - \tan^2 x}$	
$\sin 3x = 3 \sin x - 4 \sin^3 x$		$\cos 3x = -3 \cos x + 4 \cos^3 x$	
$\sin p + \sin q = 2 \sin \frac{p+q}{2} \cos \frac{p-q}{2}$		$\tan p + \tan q = \frac{\sin(p+q)}{\cos p \cos q}$	
$\sin p - \sin q = 2 \sin \frac{p-q}{2} \cos \frac{p+q}{2}$		$\tan p - \tan q = \frac{\sin(p-q)}{\cos p \cos q}$	
$\cos p + \cos q = 2 \cos \frac{p+q}{2} \cos \frac{p-q}{2}$			
$\cos p - \cos q = -2 \sin \frac{p+q}{2} \sin \frac{p-q}{2}$			
$\sin x \cos y = \frac{1}{2}[\sin(x+y) + \sin(x-y)]$			
$\cos x \cos y = \frac{1}{2}[\cos(x+y) + \cos(x-y)]$			
$\sin x \sin y = \frac{1}{2}[\cos(x-y) - \cos(x+y)]$			