



الصيغ المتثلثة

$\tan(x + \pi) = \tan x$	$\sin(x + 2\pi) = \sin x$	$\cos(x + 2\pi) = \cos x$
$\tan(x + k\pi) = \tan x$	$\sin(x + 2k\pi) = \sin x$	$\cos(x + 2k\pi) = \cos x$
$\tan(-x) = -\tan x$	$\sin(-x) = -\sin x$	$\cos(-x) = \cos x$
$\tan\left(\frac{\pi}{2} - x\right) = \frac{1}{\tan x}$	$\sin\left(\frac{\pi}{2} - x\right) = \cos x$	$\cos\left(\frac{\pi}{2} - x\right) = \sin x$
$\tan\left(\frac{\pi}{2} + x\right) = -\frac{1}{\tan x}$	$\sin\left(\frac{\pi}{2} + x\right) = \cos x$	$\cos\left(\frac{\pi}{2} + x\right) = -\sin x$
$\tan(\pi - x) = -\tan x$	$\sin(\pi - x) = \sin x$	$\cos(\pi - x) = -\cos x$
$\tan(\pi + x) = \tan x$	$\sin(\pi + x) = -\sin x$	$\cos(\pi + x) = -\cos x$

جدول النسب المتثلثة الإعتيادية

$x$	0	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$
$\sin x$	0	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	1
$\cos x$	1	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	0
$\tan x$	0	$\frac{\sqrt{3}}{3}$	1	$\sqrt{3}$	غير معرف