

Funciones Trigonómicas de Ángulos Múltiplos de 30° y 45°

grados	radianes	seno	coseno	tangente	cotangente	secante	cosecante
0°	0	0	1	0	∞	1	∞
30°	$\frac{\pi}{6}$	$\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{3}}{3}$	$\sqrt{3}$	$\frac{2\sqrt{3}}{3}$	2
45°	$\frac{\pi}{4}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$	1	1	$\sqrt{2}$	$\sqrt{2}$
60°	$\frac{\pi}{3}$	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$\sqrt{3}$	$\frac{\sqrt{3}}{3}$	2	$\frac{2\sqrt{3}}{3}$
90°	$\frac{\pi}{2}$	1	0	∞	0	∞	1
120°	$\frac{2\pi}{3}$	$\frac{\sqrt{3}}{2}$	$-\frac{1}{2}$	$-\sqrt{3}$	$-\frac{\sqrt{3}}{3}$	-2	$\frac{2\sqrt{3}}{3}$
135°	$\frac{3\pi}{4}$	$\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{2}}{2}$	-1	-1	$-\sqrt{2}$	$\sqrt{2}$
150°	$\frac{5\pi}{6}$	$\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$	$-\frac{\sqrt{3}}{3}$	$-\sqrt{3}$	$-\frac{2\sqrt{3}}{3}$	2
180°	π	0	-1	0	∞	-1	∞
210°	$\frac{7\pi}{6}$	$-\frac{1}{2}$	$-\frac{\sqrt{3}}{2}$	$\frac{\sqrt{3}}{3}$	$\sqrt{3}$	$-\frac{2\sqrt{3}}{3}$	-2
225°	$\frac{5\pi}{4}$	$-\frac{\sqrt{2}}{2}$	$-\frac{\sqrt{2}}{2}$	1	1	$-\sqrt{2}$	$-\sqrt{2}$
240°	$\frac{4\pi}{3}$	$-\frac{\sqrt{3}}{2}$	$-\frac{1}{2}$	$\sqrt{3}$	$\frac{\sqrt{3}}{3}$	-2	$-\frac{2\sqrt{3}}{3}$
270°	$\frac{3\pi}{2}$	-1	0	∞	0	∞	-1
300°	$\frac{5\pi}{3}$	$-\frac{\sqrt{3}}{2}$	$\frac{1}{2}$	$-\sqrt{3}$	$-\frac{\sqrt{3}}{3}$	2	$-\frac{2\sqrt{3}}{3}$
315°	$\frac{7\pi}{4}$	$-\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$	-1	-1	$\sqrt{2}$	$-\sqrt{2}$
330°	$\frac{11\pi}{6}$	$-\frac{1}{2}$	$\frac{\sqrt{3}}{2}$	$-\frac{\sqrt{3}}{3}$	$-\sqrt{3}$	$\frac{2\sqrt{3}}{3}$	-2
360°	2π	0	1	0	∞	1	∞

Funciones Trigonómicas de Ángulos Múltiplos de 15°

grados	radianes	seno	coseno	tangente	cotangente	secante	cosecante
15°	$\frac{\pi}{12}$	$\frac{\sqrt{6} - \sqrt{2}}{4}$	$\frac{\sqrt{6} + \sqrt{2}}{4}$	$2 - \sqrt{3}$	$2 + \sqrt{3}$	$\sqrt{6} - \sqrt{2}$	$\sqrt{6} + \sqrt{2}$
75°	$\frac{5\pi}{12}$	$\frac{\sqrt{6} + \sqrt{2}}{4}$	$\frac{\sqrt{6} - \sqrt{2}}{4}$	$2 + \sqrt{3}$	$2 - \sqrt{3}$	$\sqrt{6} + \sqrt{2}$	$\sqrt{6} - \sqrt{2}$
105°	$\frac{7\pi}{12}$	$\frac{\sqrt{6} + \sqrt{2}}{4}$	$\frac{-\sqrt{6} + \sqrt{2}}{4}$	$-2 - \sqrt{3}$	$-2 + \sqrt{3}$	$-\sqrt{6} - \sqrt{2}$	$\sqrt{6} - \sqrt{2}$
165°	$\frac{11\pi}{12}$	$\frac{\sqrt{6} - \sqrt{2}}{4}$	$\frac{-\sqrt{6} - \sqrt{2}}{4}$	$-2 + \sqrt{3}$	$-2 - \sqrt{3}$	$-\sqrt{6} + \sqrt{2}$	$\sqrt{6} + \sqrt{2}$
195°	$\frac{13\pi}{12}$	$\frac{-\sqrt{6} + \sqrt{2}}{4}$	$\frac{-\sqrt{6} - \sqrt{2}}{4}$	$2 - \sqrt{3}$	$2 + \sqrt{3}$	$-\sqrt{6} + \sqrt{2}$	$-\sqrt{6} - \sqrt{2}$
255°	$\frac{17\pi}{12}$	$\frac{-\sqrt{6} - \sqrt{2}}{4}$	$\frac{-\sqrt{6} + \sqrt{2}}{4}$	$2 + \sqrt{3}$	$2 - \sqrt{3}$	$-\sqrt{6} - \sqrt{2}$	$-\sqrt{6} + \sqrt{2}$
285°	$\frac{19\pi}{12}$	$\frac{-\sqrt{6} - \sqrt{2}}{4}$	$\frac{\sqrt{6} - \sqrt{2}}{4}$	$-2 - \sqrt{3}$	$-2 + \sqrt{3}$	$\sqrt{6} + \sqrt{2}$	$-\sqrt{6} + \sqrt{2}$
345°	$\frac{23\pi}{12}$	$\frac{-\sqrt{6} + \sqrt{2}}{4}$	$\frac{\sqrt{6} + \sqrt{2}}{4}$	$-2 + \sqrt{3}$	$-2 - \sqrt{3}$	$\sqrt{6} - \sqrt{2}$	$-\sqrt{6} - \sqrt{2}$