UNIT CIRCLE REFERENCE

Coordinates (cos θ, sin θ) • Radians • Degrees

I
II
III
IV

0 / 0
(1, 0)
90 / π/2
(0, 1)
180 / π
(-1, 0)
270 / 3π/2
(0, -1)
30 / π/6
(√3/2, 1/2)
45 / π/4
(√2/2, √2/2)
60 / π/3
(1/2, √3/2)

DEGREES	RADIANS	COS(Θ)	SIN(Θ)	TAN(
0	0	1	0	0
30	π/6	√3/2	1/2	√3/
45	π/4	√2/2	√2/2	1
60	π/3	1/2	√3/2	√3

DEGREES	RADIANS	COS(Θ)	SIN(Θ)	TAN(
90	π/2	0	1	undef
180	π	-1	0	0
270	3π/2	0	-1	undef

Formulas: tan θ = sin θ / cos θ | sec θ = 1 / cos θ | csc θ = 1 / sin θ | cot θ = 1 / tan θ