CALCULUS UNIT CIRCLE REFERENCE

Standard Unit Circle

Radius r = 1

Degrees	Radians	(cos θ, sin θ)
0	0	(1, 0)
30	π/6	(√3/2, 1/2)
45	π/4	(√2/2, √2/2)
60	π/3	(1/2, √3/2)
90	π/2	(0, 1)
180	π	(-1, 0)
270	3π/2	(0, -1)

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sin θ = y / r
cos θ = x / r
tan θ = y / x
csc θ = 1 / sin
sec θ = 1 / cos
cot θ = 1 / tan
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Pythagorean Identity: $\sin^2\theta + \cos^2\theta = 1$
Tangent Identity: $\tan\theta = \sin\theta / \cos\theta$