Trig Functions of an Angle
Define by Unit Circle Segments

cot Θ

sine sin Θ
cosine cos Θ

tangent tan Θ
secant sec Θ

cotangent cot Θ
cosecant csc Θ

csc Θ

sec Θ

sin Θ

tan Θ

1

Θ

cos Θ

1

y

x

1

Pythagorean Identities

Tangent

Square trig Functions

$\sin^2(x) =$

$\cos^2(x) =$

$\tan^2(x) =$

$\csc^2(x) =$

$\sec^2(x) =$

$\cot^2(x) =$