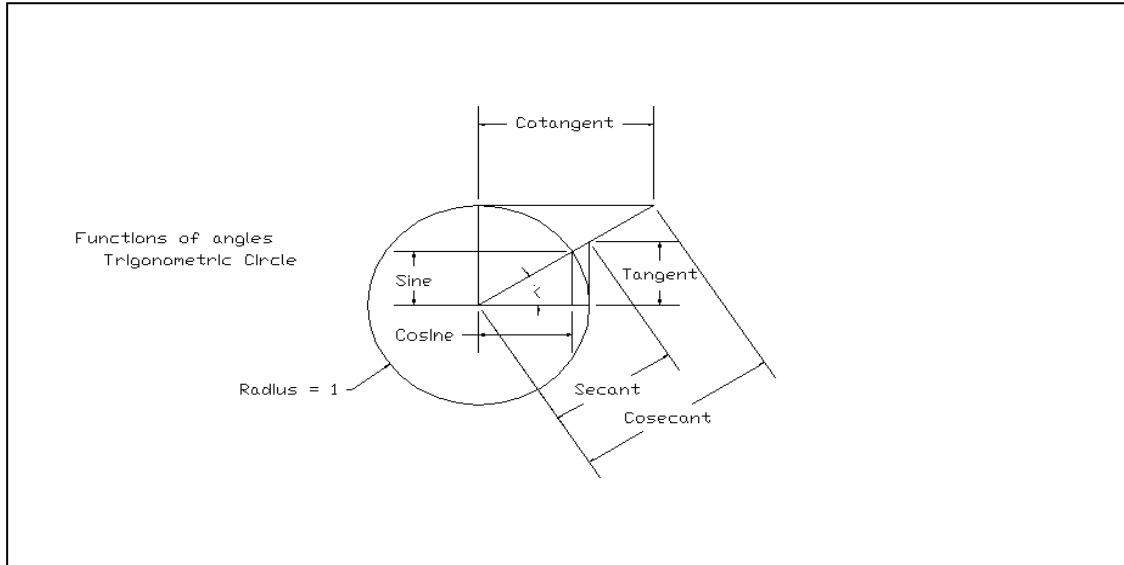


Trigonometry Functions



Functions of angles

side opposite / hypotenuse = sine

side adjacent / side opposite = cotangent

side adjacent / hypotenuse = cosine

hypotenuse / side adjacent = secant

side opposite / side adjacent = tangent

hypotenuse / side opposite = cosecant

Finding the length of sides in right angle triangles when an angle and side are known

Length of side opposite =
 hypotenuse x sine
 hypotenuse / cosecant
 side adjacent x tangent
 side adjacent / cotangent

Length of side adjacent =
 hypotenuse x cosine
 hypotenuse / secant
 side opposite x cotangent
 side opposite / tangent

Length of hypotenuse =
 side opposite x cosecant
 side opposite / sine
 side adjacent x secant
 side adjacent / cosine