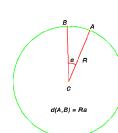


Parametric Equation Circle Tangos: \$ X = 9 + d & cos (6) Shed agram Y = 6 + d & sin (6)



radian 5

The size of a radian is determined by the requirement that there are

2 radians in a circle. Thus 2 π

radians equals 360 degrees This means that 1 radian = 180/

 η^{π} degrees, and 1 degree = /180 radians.

From < http://math.rice.edu/~pcmi/sphere/drg_txt.html>

If A and B are two points on a circle of radius R and center C, then the length of the arc of the circle connecting them is given by d(A,B) = R a,

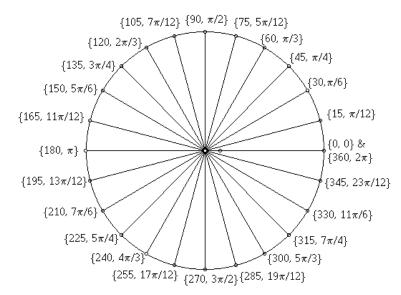
where R is the radius of the sphere, and a is the angle ACB measured in radians. If we measure the angle in degrees, then the formula is d(A,B)=R a π

/180,

These formulas can be checked by noticing that the arc length is proportional to the angle, and then checking the formula for the full circle, i.e., when a=2

radians (or 360 degrees).

From http://math.rice.edu/~pcmi/sphere/drg txt.html>



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