Radian Measure

Converting between degrees and radians

2π rad $= 360^\circ$

π rad $= 180^\circ$

1 rad $= \frac{180^\circ}{\pi}$

Arc Length

$l = r\theta$

Where r is the radius, and θ the angle in radians contained by the sector

Area of a sector

$A_{rea} = \frac{1}{2}r^2\theta$

Where r is the radius, and θ the angle in radians contained by the sector