Radian Measure.md 2/21/2023

Radian Measure

Converting between degrees and radians

 2π rad $=360^\circ$

 π rad $=180^\circ$

 $1~{
m rad}=rac{180^{\circ}}{\pi}$

Arc Length

 $l=r\theta$

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

Area of a sector

 $A_{rea}=rac{1}{2}r^2 heta$

Where r is the radius, and $\boldsymbol{\theta}$ the angle in radians contained by the sector