Circular Measures

Convert

degree to radians $\times \frac{\pi}{180}$

radians to degree $\times \frac{180}{\pi}$

II S	I A
$\pi - \theta$	θ
III T	IV C
$\pi + \theta$	$2\pi - \theta$

length of arc = $r\theta$

Area of sector = $\frac{1}{2} r^2 \theta$

Area of segment = $\frac{1}{2} r^2 (\theta - \sin\theta)$

Note: This is when θ is in radians