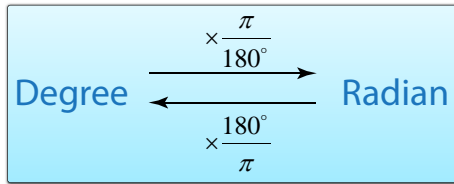




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Degree \leftrightarrow Radian Conversion

$$x^\circ = \left(x \times \frac{\pi}{180}\right) \text{radians}$$
$$x \text{ radians} = \left(x \times \frac{180}{\pi}\right) \text{degrees}$$

$$180^\circ = \pi \text{ rad}$$
$$360^\circ = 2\pi \text{ rad}$$

Circular Measure

Radian

Arc of Circle

Sector of Circle

Length of

Segment

Arc

Chord

Perimeter

Area

$$s = r\theta$$

$$l = 2r \sin \frac{\theta}{2}$$

$$P = r\left(\theta + 2 \sin \frac{\theta}{2}\right)$$

$$A = \frac{1}{2} r^2 (\theta - \sin \theta)$$

$$A = \frac{1}{2} r^2 \theta$$

Area

