CIRCULAR MEASURE

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

Radians ← → **Degrees**

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

Arc Length of a Circle
$$s = r\theta$$

Area of Sector of a Circle
$$A = \frac{1}{2}r^2\theta$$

Perimeter of a Segment of a Circle
$$\text{Perimeter} = r\theta + 2r\sin\frac{\theta}{2}$$

Area of Segment of a Circle
$$A = \frac{1}{2}r^2(\theta - \sin\theta)$$

Applications of Circular Measure