Area of Sectors and Segments of a Circle

Sector of a Circle: a region in the circle bounded by two radii and the minor arc they determine

The **area of a sector** is represented by $A = \frac{n}{360}\pi r^2$, where n is the number of degrees in the central angle of a sector.

Segment of a Circle: a region bounded by an arc and the chord of the arc

The **area of a segment** of a circle is found by subtracting the area of a triangle from the

area of a sector. $\mathrm{A}_{segment} = A_{sector} - A_{triangle}$