Radians, Arc Length and Sector Area

1 radian

Radians

Radians is a useful measure for angles. Formulae for arc length and sector area are easier to work with. We use radians when doing Calculus with trigonometric functions.

The definition of a radian is the angle subtended by an arc of length of the radius of the circle

There are π radians in a full turn.

To convert between radians and degrees, remember that $180^\circ = \pi$ radians

Arc Length, Sector Area and Segment Area





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