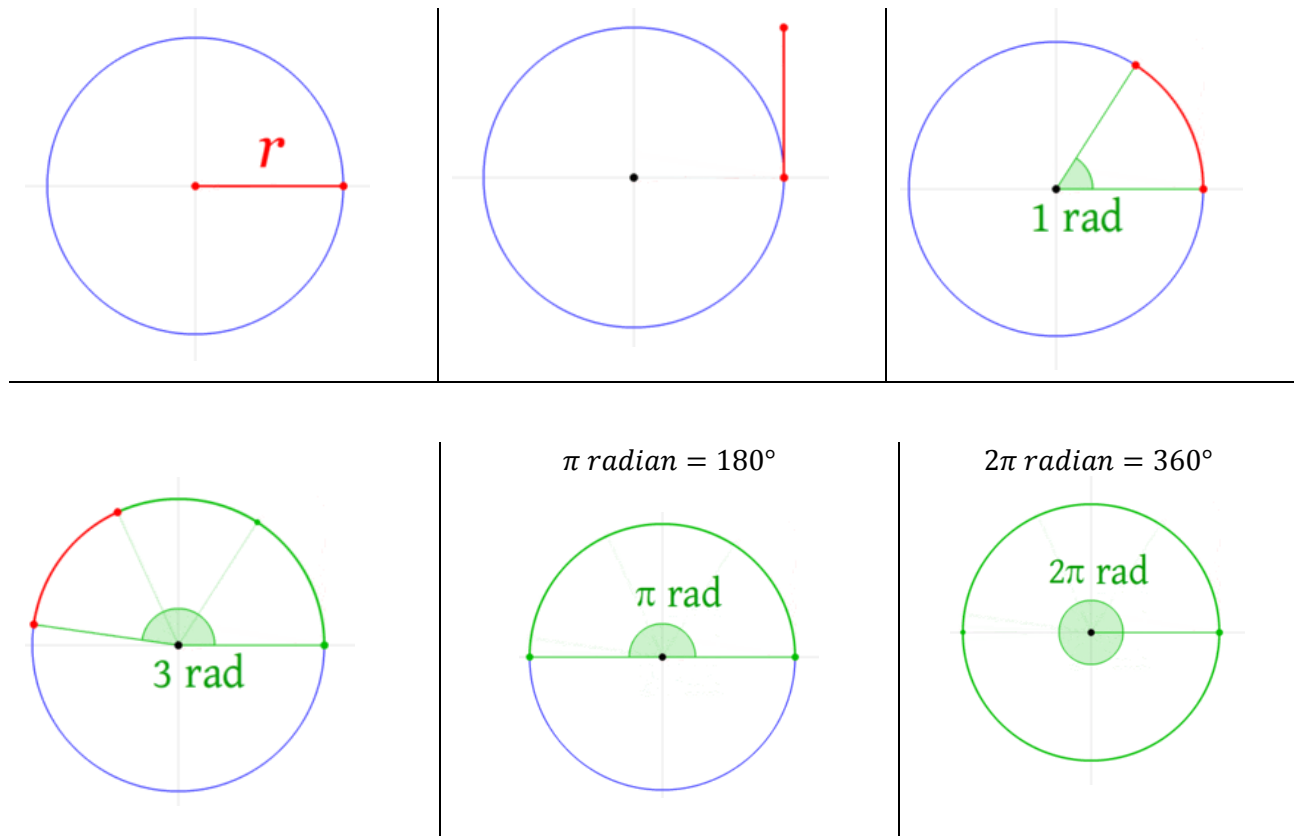# What is Radians?

One radian is the angle measured at the center of a circle by an arc that is equal in length to the radius of the circle.

1 radian ≈ 57.3°

$\pi\ radian = 180°$

$2\pi\ radian = 360°$

Conversions between Degrees and Radians

$$Angle\ in\ \boldsymbol{degrees} = angle\ in\ radians\ \times \frac{180°}{\pi}$$

$$Angle\ in\ \boldsymbol{radians} = angle\ in\ degree\ \times \frac{\pi}{180°}$$