Radians

$C = 2\pi r$

2π rad $= 360°$

π rad $= 180°$

Degrees $\rightarrow$ Radians

$$\frac{\#\text{ of degrees}}{180} \cdot \pi$$

EX $\rightarrow$ $90° \rightarrow \frac{90}{180} \cdot \pi = \frac{1}{2}\pi = \frac{\pi}{2}$

EX $\rightarrow$ $135° \rightarrow \frac{135}{180} \cdot \pi = \frac{3}{4}\pi = \frac{3\pi}{4}$

EX $\rightarrow$ $240° \rightarrow \frac{240}{180} \cdot \pi = \frac{4}{3}\pi = \frac{4\pi}{3}$

Radians → Degrees

$$\frac{\text{Radian Measure}}{\pi} \cdot 180^\circ$$

EX → $\frac{7}{6}\pi \Rightarrow \frac{\frac{7}{6}\pi}{\pi} \cdot 180 = \frac{7}{6} \cdot 180 = 210^\circ$

EX → $\frac{4\pi}{9} \Rightarrow \frac{4}{9}\pi \Rightarrow \frac{\frac{4}{9}\pi}{\pi} \cdot 180 = \frac{4}{9} \cdot 180 = 80^\circ$

EX → $\frac{8\pi}{5} \Rightarrow \frac{8}{5}\pi \Rightarrow \frac{\frac{8}{5}\pi}{\pi} \cdot 180 = \frac{8}{5} \cdot 180 = 288^\circ$