

## Converting between Degrees + Radians

$$180^\circ = \pi \text{ radians}$$

$$\text{Degrees} \xrightarrow{\text{Mult } \frac{\pi}{180^\circ}} \text{Radians}$$

$$\text{Radians} \xrightarrow{\text{Mult } \frac{180^\circ}{\pi}} \text{Degrees}$$

$$\text{ex: } 65^\circ \cdot \frac{\pi \text{ rad}}{180^\circ} = \frac{65\pi}{180} \text{ rad} = \frac{13\pi}{36} \text{ rad} \approx 1.13 \text{ rad}$$

$$\text{ex: } 5 \text{ rad} \cdot \frac{180^\circ}{\pi \text{ rad}} = \frac{5 \cdot 180^\circ}{\pi} \approx 286.48^\circ$$

$$\text{ex: } \frac{\pi}{7} \text{ rad} \cdot \frac{180^\circ}{\pi \text{ rad}} = \frac{180^\circ}{7} \approx 25.71^\circ$$