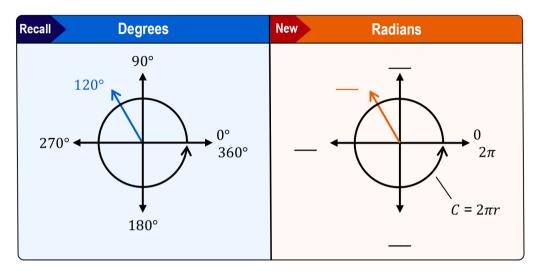
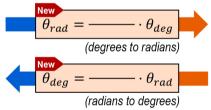
## **TOPIC: RADIANS**

## **Converting between Degrees & Radians**

◆ Radians: A different unit for measuring angles, based on a circle's circumference. Full circle = 360° = \_\_\_\_ radians





**EXAMPLE** 

Convert the angle from degrees to radians or from radians to degrees.

(A)

120°

(B)

$$\frac{6\pi}{5}$$

## **TOPIC: RADIANS**

PRACTICE

Convert the angle  $540^{\circ}$  from degrees to radians.

 $\theta_r = \frac{\pi}{180^{\circ}} \cdot \theta_d$ (degrees to radians)  $\theta_d = \frac{180^{\circ}}{\pi} \cdot \theta_r$ 

 $\pi$ (radians to degrees)

PRACTICE

Convert the angle  $-\frac{5\pi}{6}$  from radians to degrees.

Recall  $\theta_r = \frac{\pi}{180^{\circ}} \cdot \theta_d$ 

(degrees to radians)

 $heta_d = rac{180^\circ}{\pi} \cdot heta_r$ (radians to degrees)