Converting Radians – Degrees

To convert degrees to radians, multiply by $\frac{\pi \text{ radians}}{180^\circ}$

To convert radians to degrees, multiply by $\frac{180^\circ}{\pi \text{ radians}}$

Example 1. Convert 60° to radians.

$$60^\circ \text{ x } \frac{\pi \text{ radians}}{180^\circ} = \frac{\pi}{3} \text{ radians}$$

Example 2. Convert $\frac{5\pi}{6}$ to degrees.

$$\frac{5\pi}{6} \text{ x } \frac{180^\circ}{\pi} = 30^\circ$$

Convert degrees to radians.

1. 45°	1a. 60°
2. 135°	2a. 330°
3. 30°	3a. -210°

Convert radians to degrees.

4. $3\pi/4$	4a. $\pi/2$
5. $2\pi/3$	5a. $5\pi/4$
6. $-5\pi/3$	6a. $7\pi/4$