

## CONVERTING RADIANS TO DEGREES

$$\frac{8\pi}{3} \rightarrow \frac{8\cancel{\pi}}{\cancel{3}} \left( \frac{180^\circ}{\cancel{\pi}} \right) \rightarrow 8(60^\circ) \rightarrow 480^\circ$$

$$\frac{5\pi}{12} \rightarrow \frac{5\cancel{\pi}}{\cancel{12}} \left( \frac{180^\circ}{\cancel{\pi}} \right) \rightarrow 5(15^\circ) \rightarrow 75^\circ$$

$$\frac{3\pi}{4} \rightarrow \frac{3\pi}{4} \left( \frac{180^\circ}{\pi} \right) \rightarrow \frac{3\cancel{\pi}}{\cancel{4}} \left( \frac{180^\circ}{\cancel{\pi}} \right) \rightarrow 3(45^\circ) \rightarrow 135^\circ$$

$$3^R \rightarrow 3 \left( \frac{180^\circ}{\pi} \right) \rightarrow 3 \left( \frac{180^\circ}{3.14} \right) \rightarrow \left( \frac{540^\circ}{3.14} \right) \rightarrow 171.98^\circ$$

$$5^R \rightarrow 5 \left( \frac{180^\circ}{\pi} \right) \rightarrow 5 \left( \frac{180^\circ}{3.14} \right) \rightarrow \left( \frac{900^\circ}{3.14} \right) \rightarrow 286.48^\circ$$

## CHANGING DEGREES TO RADIANS

$$15^\circ \rightarrow 15^\circ \left( \frac{\pi}{180^\circ} \right) \rightarrow \cancel{15^\circ}^1 \left( \frac{\pi}{\cancel{180^\circ}_{12}} \right) \rightarrow \frac{\pi}{12}$$

$$45^\circ \rightarrow 45^\circ \left( \frac{\pi}{180^\circ} \right) \rightarrow \cancel{45^\circ}^1 \left( \frac{\pi}{\cancel{180^\circ}_4} \right) \rightarrow \frac{\pi}{4}$$

$$60^\circ \rightarrow 60^\circ \left( \frac{\pi}{180^\circ} \right) \rightarrow \cancel{60^\circ}^1 \left( \frac{\pi}{\cancel{180^\circ}_3} \right) \rightarrow \frac{\pi}{3}$$

$$90^\circ \rightarrow 90^\circ \left( \frac{\pi}{180^\circ} \right) \rightarrow \cancel{90^\circ}^1 \left( \frac{\pi}{\cancel{180^\circ}_2} \right) \rightarrow \frac{\pi}{2}$$

$$120^\circ \rightarrow 120^\circ \left( \frac{\pi}{180^\circ} \right) \rightarrow \cancel{120^\circ}^2 \left( \frac{\pi}{\cancel{180^\circ}_3} \right) \rightarrow \frac{2\pi}{3}$$

$$45^\circ \rightarrow 45^\circ \left( \frac{\pi}{180^\circ} \right) \rightarrow \cancel{45^\circ}^1 \left( \frac{\pi}{\cancel{180^\circ}_4} \right) \rightarrow \frac{\pi}{4}$$