

Chapter 14

Triangle, Sine and Cosine Rule



Table 14-1: Conversion from degrees to radians illustrated

Degree	Radian		Degree	Radian		Degree	Radian
0°	$0^\circ \times \frac{\pi}{180^\circ} = 0$		90°	$90^\circ \times \frac{\pi}{180^\circ} = \frac{\pi}{2}$		270°	$270^\circ \times \frac{\pi}{180^\circ} = \frac{3\pi}{2}$
15°	$15^\circ \times \frac{\pi}{180^\circ} = \frac{\pi}{12}$		120°	$120^\circ \times \frac{\pi}{180^\circ} = \frac{2\pi}{3}$		300°	$300^\circ \times \frac{\pi}{180^\circ} = \frac{5\pi}{3}$
30°	$30^\circ \times \frac{\pi}{180^\circ} = \frac{\pi}{6}$		150°	$150^\circ \times \frac{\pi}{180^\circ} = \frac{5\pi}{6}$		315°	$315^\circ \times \frac{\pi}{180^\circ} = \frac{7\pi}{4}$
45°	$45^\circ \times \frac{\pi}{180^\circ} = \frac{\pi}{4}$		180°	$180^\circ \times \frac{\pi}{180^\circ} = \pi$		330°	$330^\circ \times \frac{\pi}{180^\circ} = \frac{11\pi}{6}$
60°	$60^\circ \times \frac{\pi}{180^\circ} = \frac{\pi}{3}$		240°	$240^\circ \times \frac{\pi}{180^\circ} = \frac{4\pi}{3}$		360°	$360^\circ \times \frac{\pi}{180^\circ} = 2\pi$



Thank You

