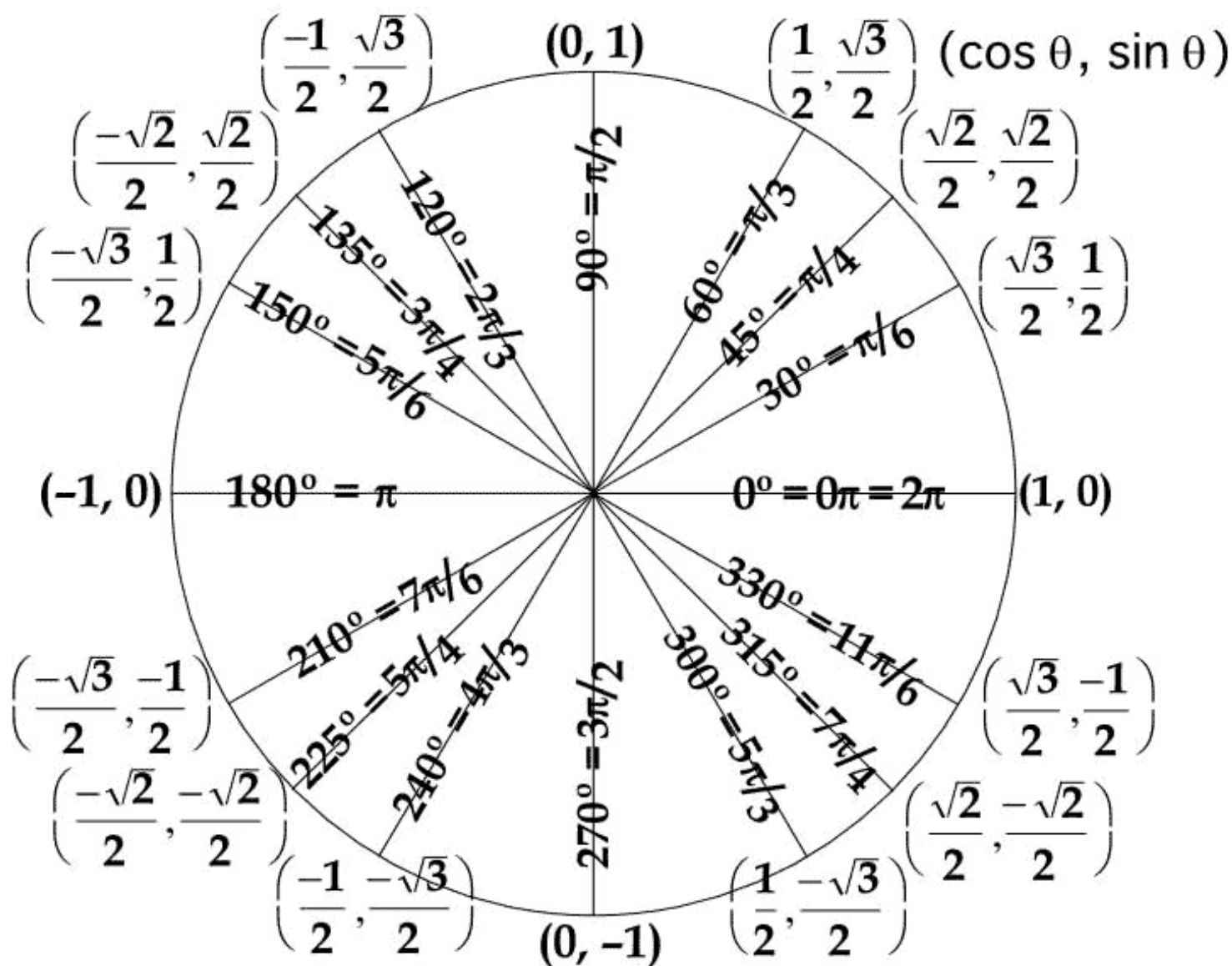


The Unit Circle



Right Triangle Trigonometry

Special Trig Value Table:

θ	$\sin \theta$	$\cos \theta$
0	0	1
$\frac{\pi}{6} = 30^\circ$	$\frac{1}{2}$	$\frac{\sqrt{3}}{2}$
$\frac{\pi}{4} = 45^\circ$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$
$\frac{\pi}{3} = 60^\circ$	$\frac{\sqrt{3}}{2}$	$\frac{1}{2}$
$\frac{\pi}{2} = 90^\circ$	1	0

This table can be found by writing in the form:

θ	$\sin \theta$	$\cos \theta$
0	$\frac{\sqrt{0}}{2}$	$\frac{\sqrt{4}}{2}$
$\frac{\pi}{6}$	$\frac{\sqrt{1}}{2}$	$\frac{\sqrt{3}}{2}$
$\frac{\pi}{4}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{2}}{2}$
$\frac{\pi}{3}$	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{1}}{2}$
$\frac{\pi}{2}$	$\frac{\sqrt{4}}{2}$	$\frac{\sqrt{0}}{2}$

ASTC = All Students Take Calculus =

All trig functions positive in Q1, Sine positive in Q2, Tangent positive in Q3, Cosine positive in Q4