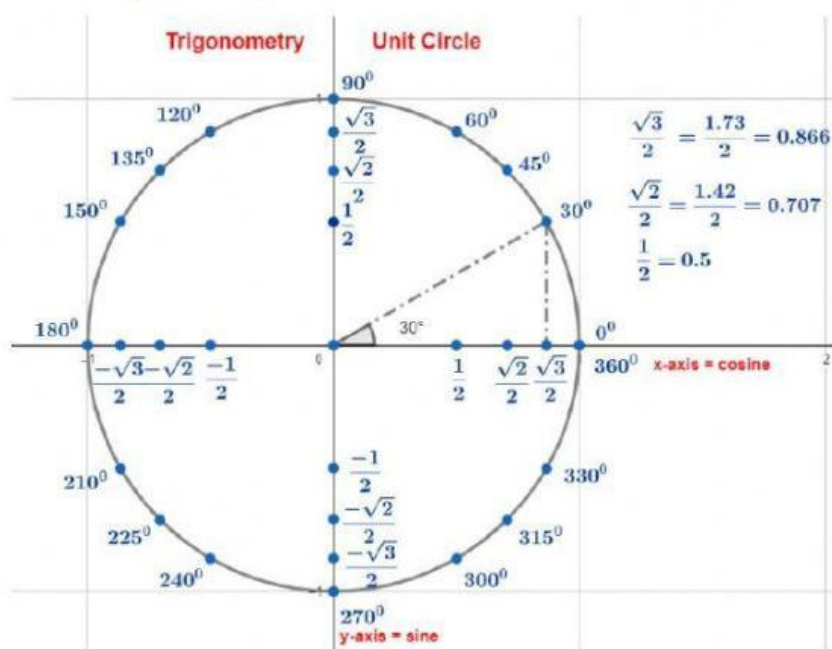


6.4 Inverse trigonometric ratio (Unit circle- the radius is 1 unit)

Start in (0,0) then travel on the radius and find 30° ; now you can project on x axis (cosine) and find the value $\frac{\sqrt{3}}{2}$; therefore $\cos 30^\circ = \frac{\sqrt{3}}{2}$ if you project on y-axis (sine) you find the value $\frac{1}{2}$; therefore $\sin 30^\circ = \frac{1}{2}$



Match the function with the value

$\sin 135^\circ$	1
$\cos 240^\circ$	$-\frac{\sqrt{3}}{2}$
$\sin 300^\circ$	$\frac{\sqrt{2}}{2}$
$\cos 360^\circ$	$-\frac{1}{2}$

$\cos 315^\circ$	-1
$\sin 270^\circ$	$\frac{\sqrt{2}}{2}$
$\cos 120^\circ$	0
$\sin 180^\circ$	$-\frac{1}{2}$