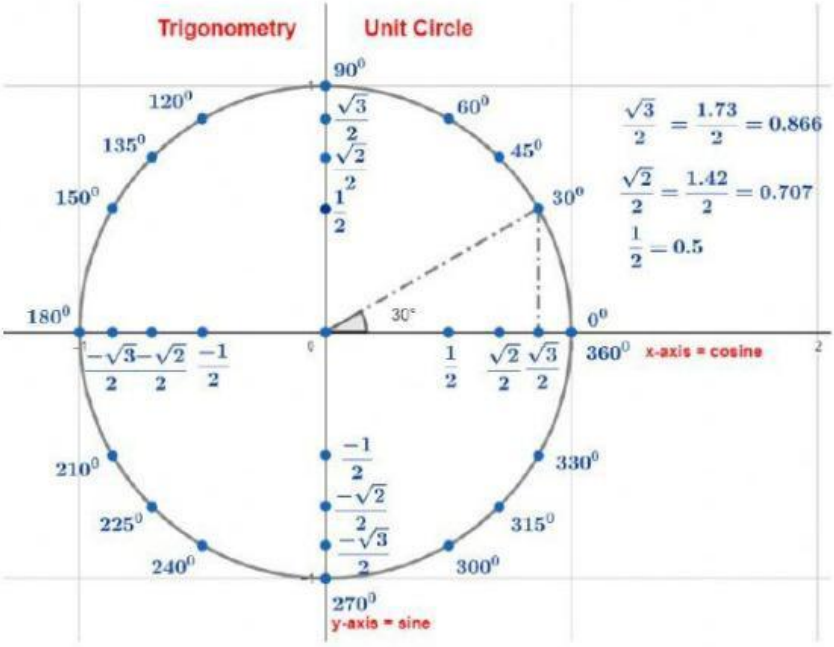
6.4 Inverse trigonometric ratio (Unit circle- the radius is 1 unit)

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



Match the function with the value

sin 135^0	1	cos 315^0	-1
cos 240^0	$\frac{-\sqrt{3}}{2}$	sin 270^0	$\frac{\sqrt{2}}{2}$
sin 300^0	$\frac{\sqrt{2}}{2}$	cos 120^0	0
cos 360^0	$\frac{-1}{2}$	sin 180^0	$\frac{-1}{2}$

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