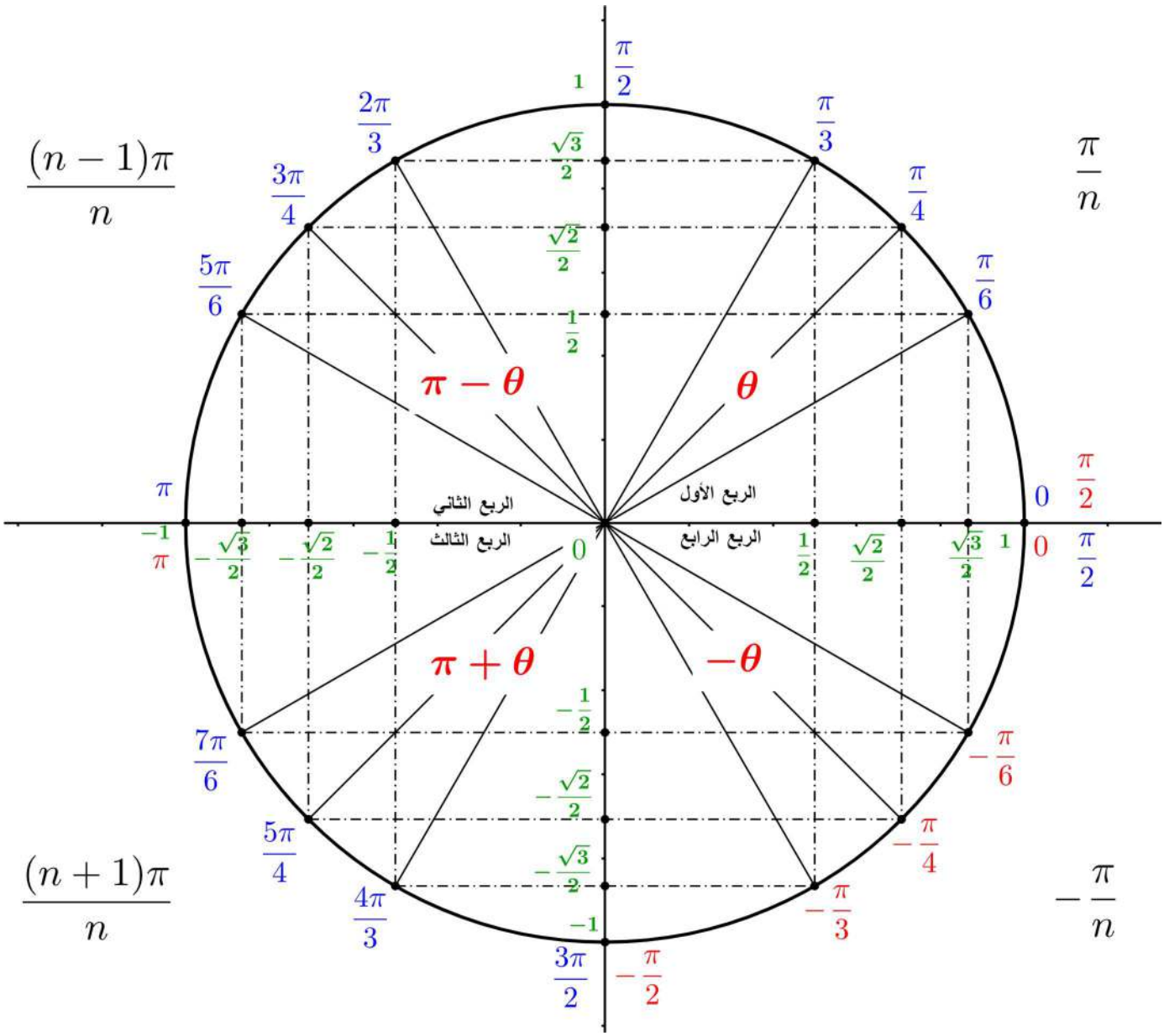


θ	$0\,,\,2\pi$	$\frac{\pi}{6}$	$\frac{\pi}{4}$	$\frac{\pi}{3}$	$\frac{\pi}{2}$	π	$\frac{3\pi}{2}$
$\cos\theta$	1	$\frac{\sqrt{3}}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{1}{2}$	0	-1	0
$\sin\theta$	0	$\frac{1}{2}$	$\frac{\sqrt{2}}{2}$	$\frac{\sqrt{3}}{2}$	1	0	-1

$\cos^2\theta + \sin^2\theta = 1$		**بعض الخواص**
$-1 \le \cos\theta \le 1$	$-1 \le \sin\theta \le 1$	
$\cos(\theta + 2k\pi) = \cos\theta$	$\sin(\theta + 2k\pi) = \sin\theta$	
$\cos(\pi - \theta) = -\cos\theta$	$\sin(\pi - \theta) = \sin\theta$	**في الربع الثاني**
$\cos(\pi + \theta) = -\cos\theta$	$\sin(\pi + \theta) = -\sin\theta$	**في الربع الثالث**