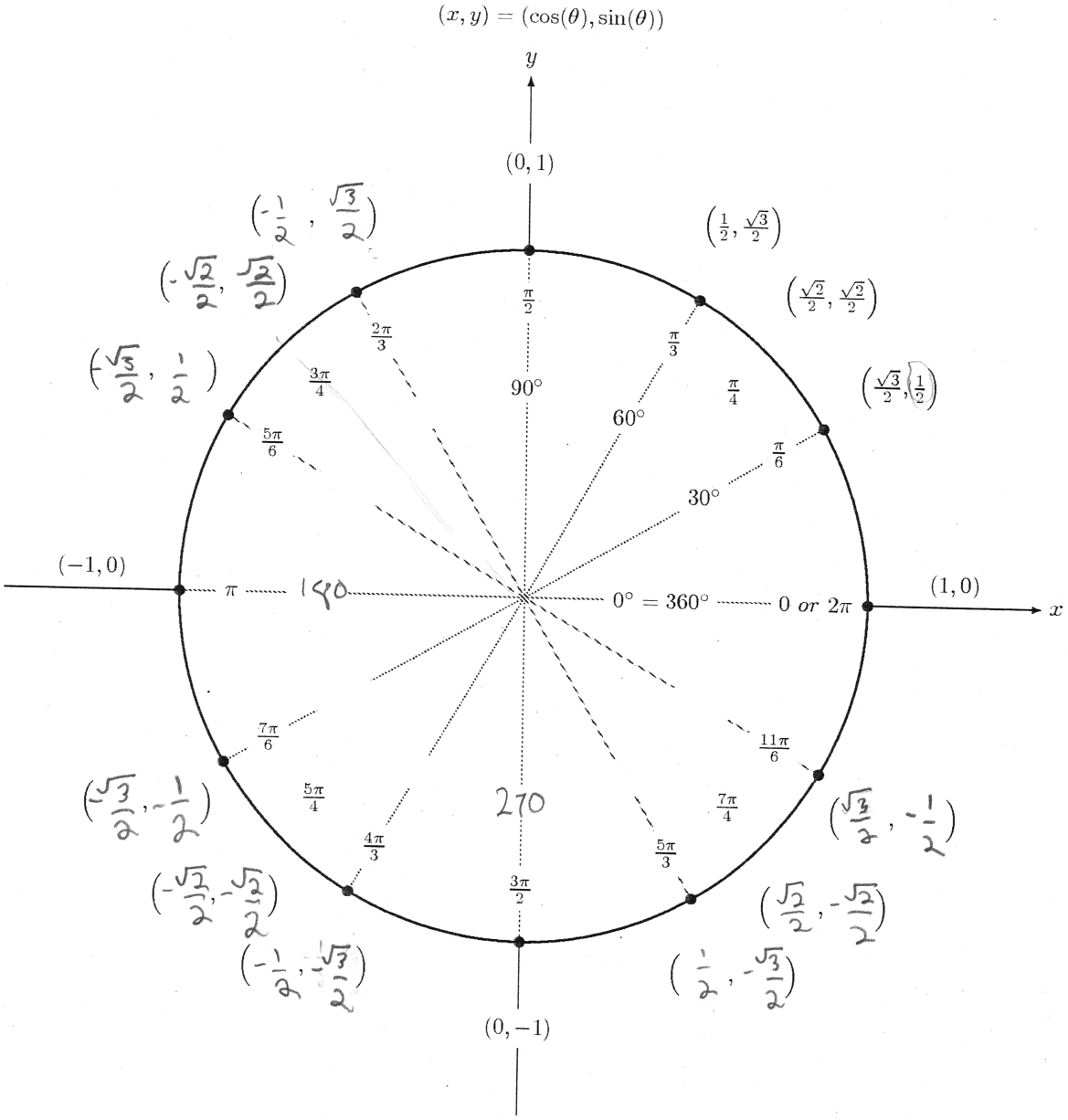
Review: The Unit Circle



Function	Domain	Range
sin	$\mathbb{R} = (-\infty, \infty)$	$[-1, 1]$
cos		
tan = sin / cos		
sec = 1/cos	$\mathbb{R}\backslash\{\frac{\pi}{2} + \pi k\} = (x$ such that x is not an odd mult. of $\frac{\pi}{2})$	$\mathbb{R}\backslash(-1, 1) = (-\infty, -1] \cup [1, \infty)$
csc = 1/sin		
cot = cos/sin		
arcsin = $\sin^{-1}$	$[-1, 1]$	$[-\frac{\pi}{2}, \frac{\pi}{2}]$
arccos = $\cos^{-1}$		
arctan = $\tan^{-1}$		