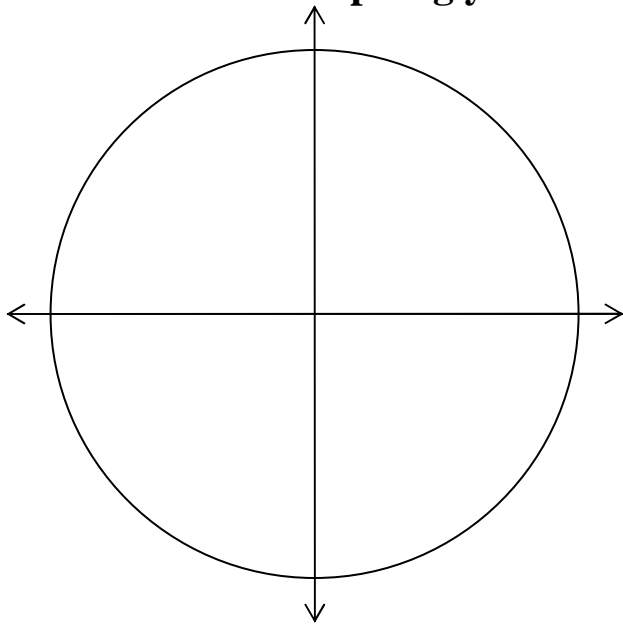


Worksheet for Graphing $y = \sin \theta$ and $y = \cos \theta$



Label angles in radians:

$0, \pi/2, \pi, 3\pi/2, 2\pi$, and angles between 0 and 2π whose reference angle is $\pi/4, \pi/6$, or $\pi/3$.

Label the corresponding points on the unit circle:

$$(x, y) = (\cos \theta, \sin \theta)$$

Then fill in the following:

θ	$\sin \theta$ (exact)	$\sin \theta$ (approx to .1)	$\cos \theta$ (exact)	$\cos \theta$ (approx to .1)
0				
$\pi/6$				
$\pi/4$				
$\pi/3$				
$\pi/2$				
$2\pi/3$				
$3\pi/4$				
$5\pi/6$				
π				

Continue these angles around the unit circle to 2π . Now graph $y = \sin \theta$ by plotting these values. On separate page graph $y = \cos \theta$:

