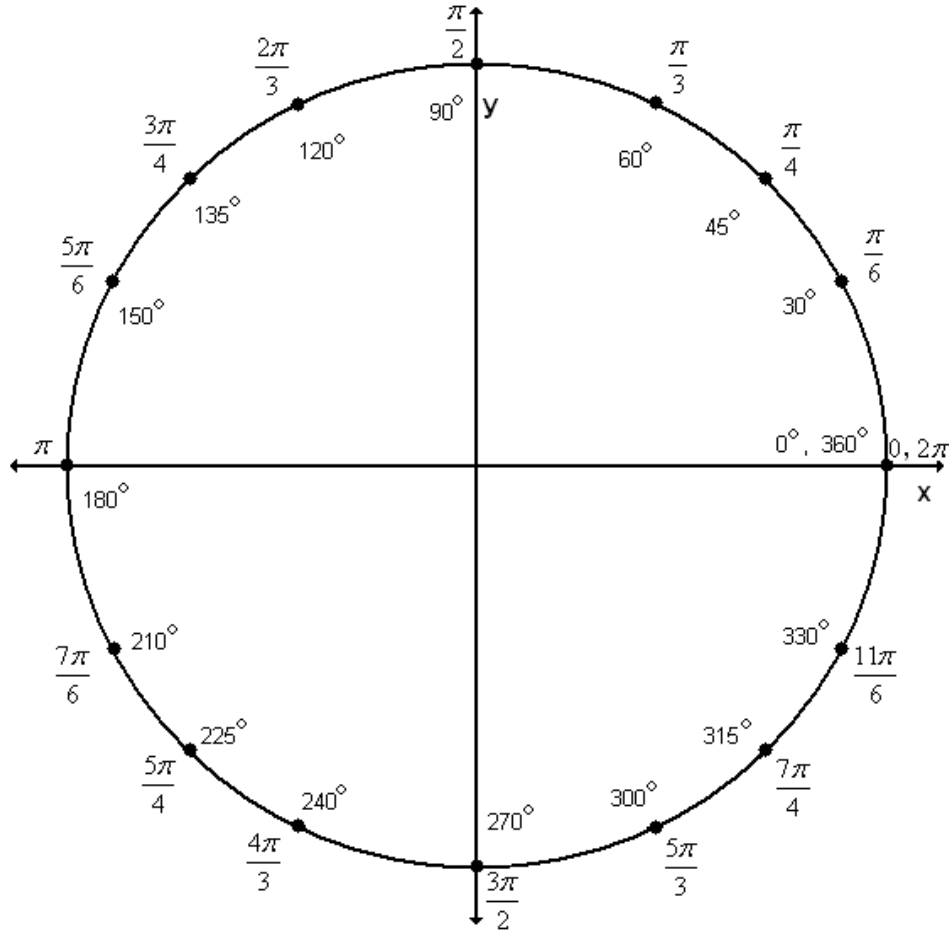


**UNIT 6 WORKSHEET 6  
USING THE UNIT CIRCLE**



Use the unit circle above to find the exact value of the six trigonometric functions for each of the following angles.

A)  $\frac{7\pi}{4}$

B)  $-240^\circ$

$\sin \theta =$

$\csc \theta =$

$\sin \theta =$

$\csc \theta =$

$\cos \theta =$

$\sec \theta =$

$\cos \theta =$

$\sec \theta =$

$\tan \theta =$

$\cot \theta =$

$\tan \theta =$

$\cot \theta =$

**C)**  $\frac{11\pi}{6}$

$\sin \theta =$                    $\csc \theta =$

$\cos \theta =$                    $\sec \theta =$

$\tan \theta =$                    $\cot \theta =$

**D)**  $\frac{-2\pi}{3}$

$\sin \theta =$                    $\csc \theta =$

$\cos \theta =$                    $\sec \theta =$

$\tan \theta =$                    $\cot \theta =$

**E)**  $-150^\circ$

$\sin \theta =$                    $\csc \theta =$

$\cos \theta =$                    $\sec \theta =$

$\tan \theta =$                    $\cot \theta =$

**F)**  $\frac{-5\pi}{6}$

$\sin \theta =$                    $\csc \theta =$

$\cos \theta =$                    $\sec \theta =$

$\tan \theta =$                    $\cot \theta =$

**G)**  $\frac{5\pi}{4}$

$\sin \theta =$                    $\csc \theta =$

$\cos \theta =$                    $\sec \theta =$

$\tan \theta =$                    $\cot \theta =$

**H)**  $-\frac{10\pi}{3}$

$\sin \theta =$                    $\csc \theta =$

$\cos \theta =$                    $\sec \theta =$

$\tan \theta =$                    $\cot \theta =$

**I)**  $120^\circ$

$\sin \theta =$                    $\csc \theta =$

$\cos \theta =$                    $\sec \theta =$

$\tan \theta =$                    $\cot \theta =$

**J)**  $\frac{-5\pi}{4}$

$\sin \theta =$                    $\csc \theta =$

$\cos \theta =$                    $\sec \theta =$

$\tan \theta =$                    $\cot \theta =$