

1. Find the exact value without a calculator.

a)  $\sin \frac{3\pi}{2}$

b)  $\cos 2\pi$

c)  $\sin \frac{5\pi}{3}$

d)  $\cot \frac{7\pi}{6}$

e)  $\cos \left( -\frac{7\pi}{4} \right)$

f)  $\sec \frac{19\pi}{3}$

g)  $\csc 42\pi$

Q: What is it that you will break even when you name it?

2. Find the exact value without a calculator.

a)  $\sin \frac{5\pi}{2}$

b)  $\cos \left( -\frac{11\pi}{3} \right)$

c)  $\tan \frac{7\pi}{6}$

d)  $\csc \frac{9\pi}{4}$

e)  $\sec \frac{\pi}{2}$

f)  $\cot\left(-\frac{9\pi}{2}\right)$

g)  $\sin \frac{5\pi}{6}$

h)  $\cos\left(-\frac{\pi}{2}\right)$

i)  $\tan \frac{5\pi}{3}$

j)  $\csc \frac{17\pi}{2}$

k)  $\sec \frac{7\pi}{4}$

l)  $\cot 100\pi$

Optional exercises from the Sullivan book if you'd like more practice:  
6.2 (p.378) #21-63 odd  
6.3 (p.394) #11-25 odd