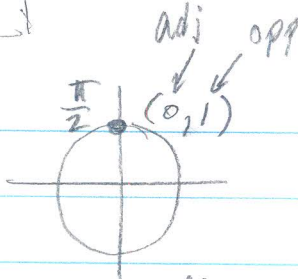


★ hypotenuse = 1

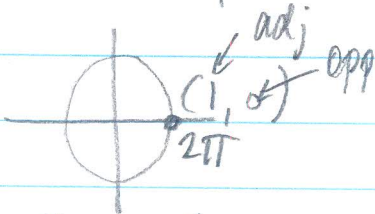
p. 251 #9-16

9.  $\sin \frac{\pi}{2}$



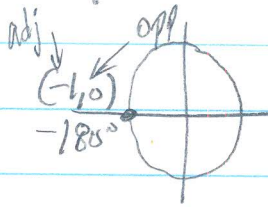
$\sin \frac{\pi}{2} = \frac{\text{opp}}{\text{hyp}} = \frac{1}{1} = \boxed{1}$

10.  $\tan 2\pi$



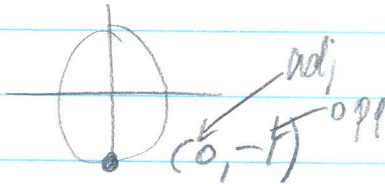
$\tan 2\pi = \frac{\text{opp}}{\text{adj}} = \frac{0}{1} = \boxed{0}$

11.  $\cot(-180^\circ)$



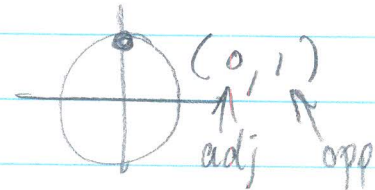
$\cot(-180^\circ) = \frac{\text{adj}}{\text{opp}} = \frac{-1}{0}$  fund

12.  $\csc 270^\circ$



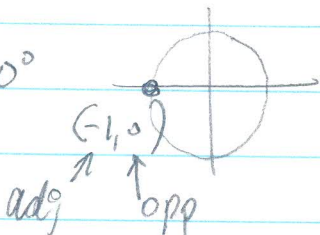
$\csc 270^\circ = \frac{\text{hyp}}{\text{opp}} = \frac{1}{-1} = \boxed{-1}$

13.  $\cos(-270^\circ)$



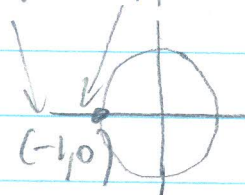
$\cos(-270^\circ) = \frac{\text{adj}}{\text{hyp}} = \frac{0}{1} = \boxed{0}$

14.  $\sec 180^\circ$



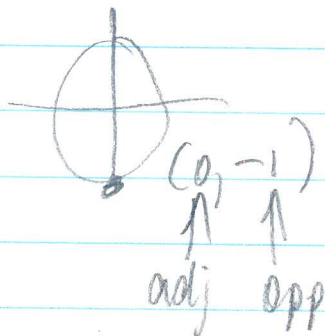
$\sec 180^\circ = \frac{\text{hyp}}{\text{adj}} = \frac{1}{-1} = \boxed{-1}$

15.  $\tan \pi$



$\tan \pi = \frac{\text{opp}}{\text{adj}} = \frac{0}{-1} = \boxed{0}$

16.  $\sec(-\frac{\pi}{2})$



$\sec(-\frac{\pi}{2}) = \frac{\text{hyp}}{\text{adj}} = \frac{1}{0}$  fund