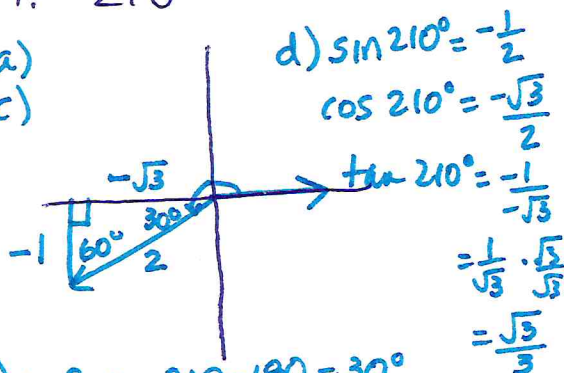


19. 210°

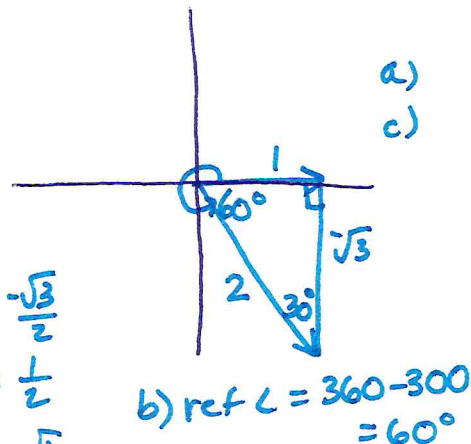
a)
c)



20. 300°

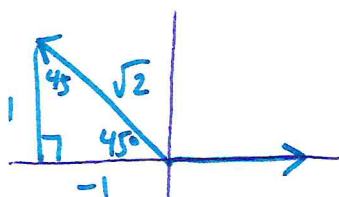
a)
c)

$d) \sin 300^\circ = -\frac{\sqrt{3}}{2}$
 $\cos 300^\circ = \frac{1}{2}$
 $\tan 300^\circ = \frac{-\sqrt{3}}{1} = -\sqrt{3}$



21. 135°

a)
c)

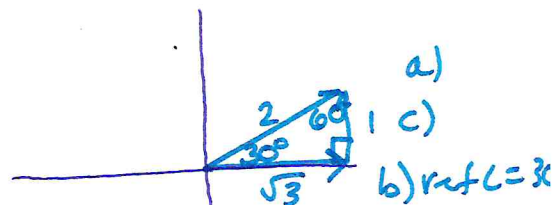


$b) \text{ref } \angle = 180 - 135 = 45^\circ$
 $d) \sin 135^\circ = \frac{1}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = \frac{\sqrt{2}}{2}$
 $\cos 135^\circ = \frac{-1}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = -\frac{\sqrt{2}}{2}$
 $\tan 135^\circ = \frac{1}{-1} = -1$

22. 30°

a)

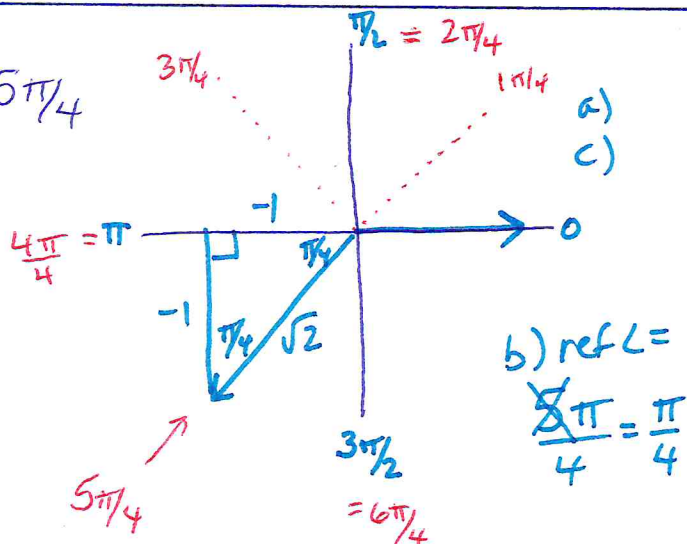
c)



$d) \sin 30^\circ = \frac{1}{2}$
 $\cos 30^\circ = \frac{\sqrt{3}}{2}$
 $\tan 30^\circ = \frac{1}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}} = \frac{\sqrt{3}}{3}$

23. $5\pi/4$

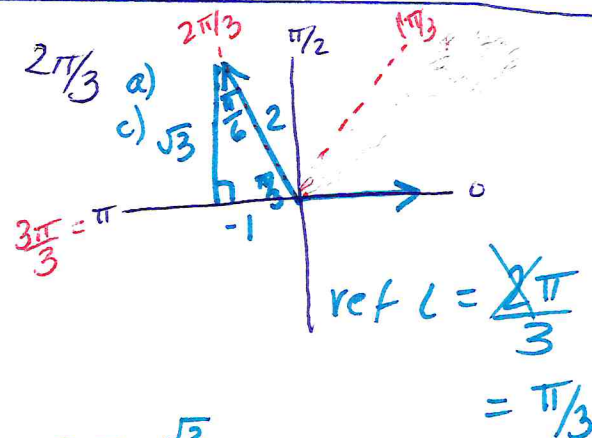
a)
c)



$\sin \frac{5\pi}{4} = \frac{-1}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = -\frac{\sqrt{2}}{2}$
 $\cos \frac{5\pi}{4} = \frac{-1}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}} = -\frac{\sqrt{2}}{2}$
 $\tan \frac{5\pi}{4} = \frac{-1}{-1} = 1$

24. $2\pi/3$

a)
c)



$\sin \frac{2\pi}{3} = \frac{\sqrt{3}}{2}$
 $\cos \frac{2\pi}{3} = -\frac{1}{2}$
 $\tan \frac{2\pi}{3} = \frac{\sqrt{3}}{-1} = -\sqrt{3}$