

$$\sin \theta = y$$

$$\begin{array}{l} \csc \theta = \frac{1}{y} \\ \text{Cosecant} \end{array}$$

$$\cos \theta = x$$

$$\begin{array}{l} \sec \theta = \frac{1}{x} \\ \text{Secant} \end{array}$$

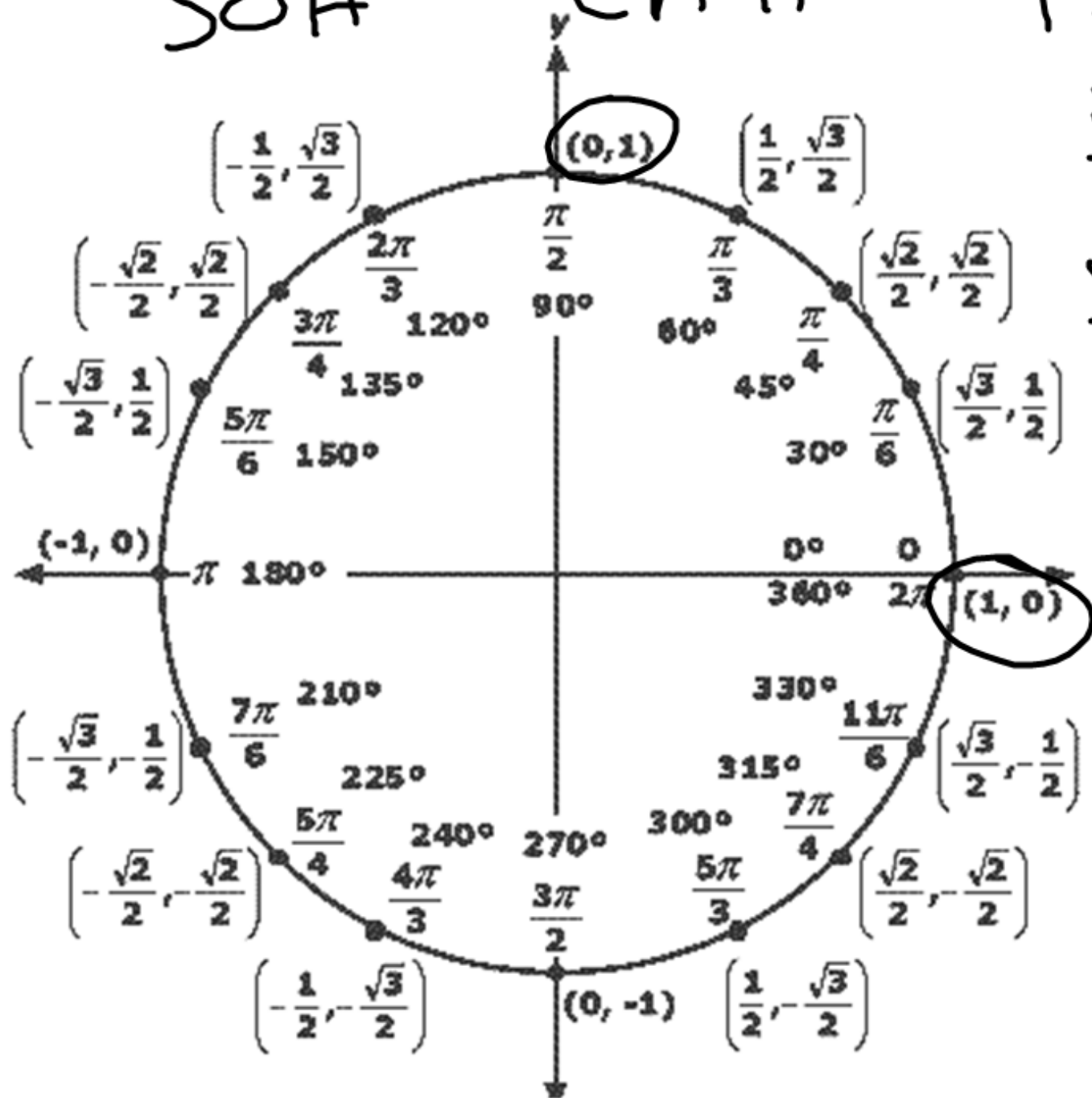
$$\tan \theta = \frac{\sin}{\cos} = \frac{y}{x}$$

$$\begin{array}{l} \cot \theta = \frac{x}{y} \\ \text{Cotangent} \end{array}$$

SOH

CAH

TOA



$\frac{\sqrt{5}}{2}, \frac{\sqrt{3}}{2}$
 $\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}$
 $\frac{\sqrt{3}}{2}, \frac{1}{2}$
 $\frac{\sqrt{3}}{2}, -\frac{1}{2}$
 $\frac{\sqrt{2}}{2}, -\frac{\sqrt{2}}{2}$
 $\frac{1}{2}, -\frac{\sqrt{3}}{2}$

$$\theta = \frac{\pi}{6}$$

$$\sin \frac{\pi}{6} = \frac{1}{2}$$

$$\cos \frac{\pi}{6} = \frac{\sqrt{3}}{2}$$

$$\tan \frac{\pi}{6} = \frac{\frac{1}{2}}{\frac{\sqrt{3}}{2}}$$

$$\frac{1}{2} \cdot \frac{2}{\sqrt{3}} = \frac{1}{\sqrt{3}} \frac{\sqrt{3}}{\sqrt{3}} = \frac{\sqrt{3}}{3}$$

Homework pg 264

13 - 21 odd