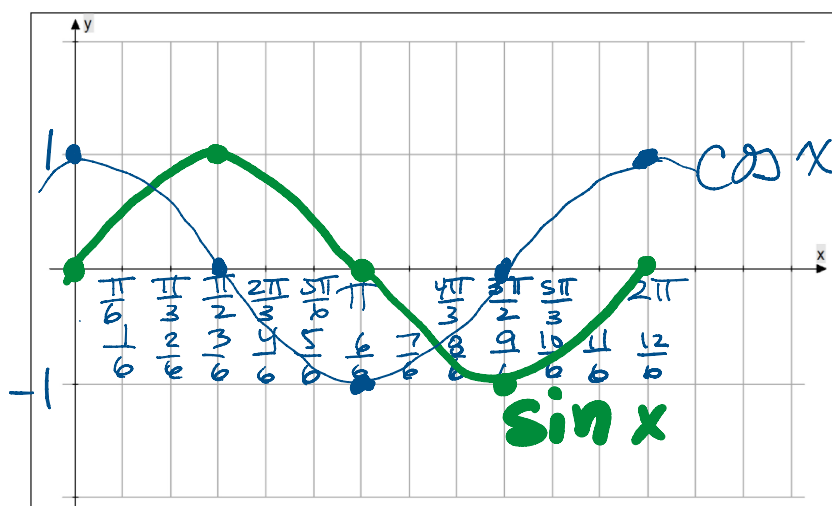


## 8.3 extension to 8.4

p 566

- Graphing  $\sin/\cos/\tan$  (reference p536 table for values or the unit circle from last lesson)  
Focusing on 0's and 1's is very helpful...you'll see why!

# Graphing sin/cos/tan

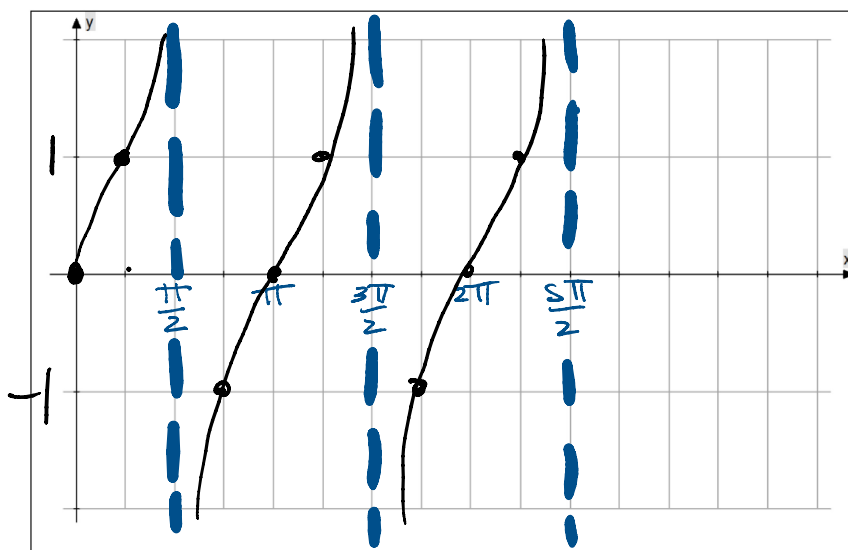


## Sine

Domain  $0 < x < 2\pi$  "wave"  
 Range  $-1 < y < 1$   
 x int  $0, \pi, 2\pi$   
 y int  $0$

## Cosine

Domain  $0 < x < 2\pi$   
 Range  $-1 < y < 1$   
 x int  $\frac{\pi}{2}, \frac{3\pi}{2}$   
 y int  $1$



## Tangent

Domain  $x \neq \frac{\pi}{2}, \frac{3\pi}{2}$   
 Range  $y \in \mathbb{R}$   
 x int  
 y int

Homework p512 # 1-4