Test Thus April 4th
6.3-6.6, 6.8, 7.1-7.8 (9Q)

Practice Problems www. leahhoward.com

A=Pert and A=r0 will be provided (if neassary)

Bring music learplugs

TRIG RECAP

$$\frac{H}{900}$$
 sin $\theta = \frac{0}{H}$

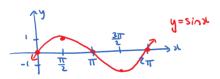
$$(x,y)$$
 $\sin \theta = \frac{y}{2}$

Special case:
$$r=1$$

(xiy)

 $sin \theta = y$

0	sin 0			y=512x
0	0	> 00 -	0	0
The	1 1	-) More Connerly	$\pi/2$	l I
π	0	connectly	π	O
311/2	-1	•	31/2	-1
0 π/2 π 3π/2 2π	10		ο π/2 π 3π/2 2π	0



7.6 Gat'd





White it as y = Asin(wx)+C or y=Acos(wx)+C

Graphs first
Work backwards to y=sinx or y=casx
shift before stretch (backwards!)

$$y = cos(\omega x)$$

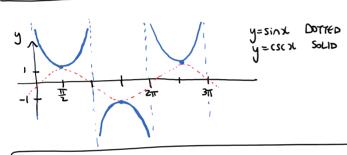
 $\frac{2\pi}{\omega} = 4$

$$\begin{array}{ccc}
\frac{2\pi}{4} = W \\
W = \frac{\pi}{2}
\end{array}$$

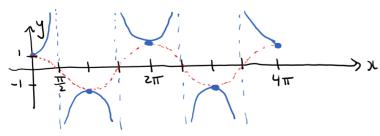
$$\begin{array}{ccc}
y = \omega \left(\frac{\pi}{2}x\right) \\
y = 2\cos\left(\frac{\pi}{2}x\right) \\
\end{array}$$
Graph #1
$$y = 2\cos\left(\frac{\pi}{2}x\right) + 1$$

7.7 Graphs of other 4 Trig Functions

$$\int CSC \chi = \frac{1}{\sin \chi}$$

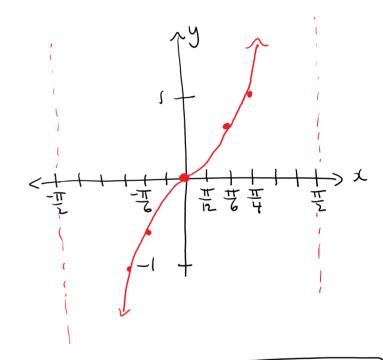


Period 2π x=...,-11, 0, 17, 211,... More concisely: |y1≥1 Properties of y=cscx



DOTTED SOLID

$$y=tan x$$
 $The y=tan x$
 $The undefined$
 $The undefined$
 $The undefined$
 $The undefined$
 $The undefined$
 $The undefined$



Radian Mode!