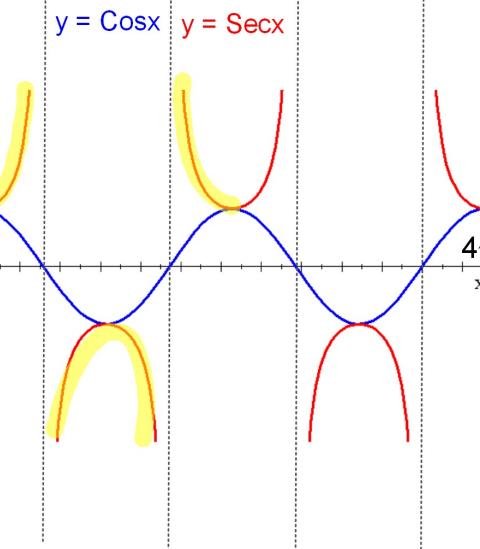
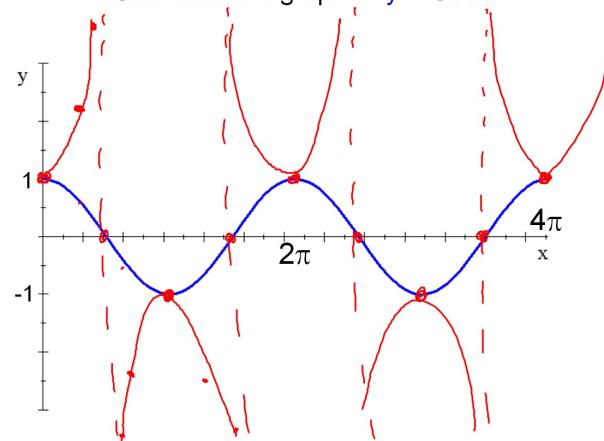


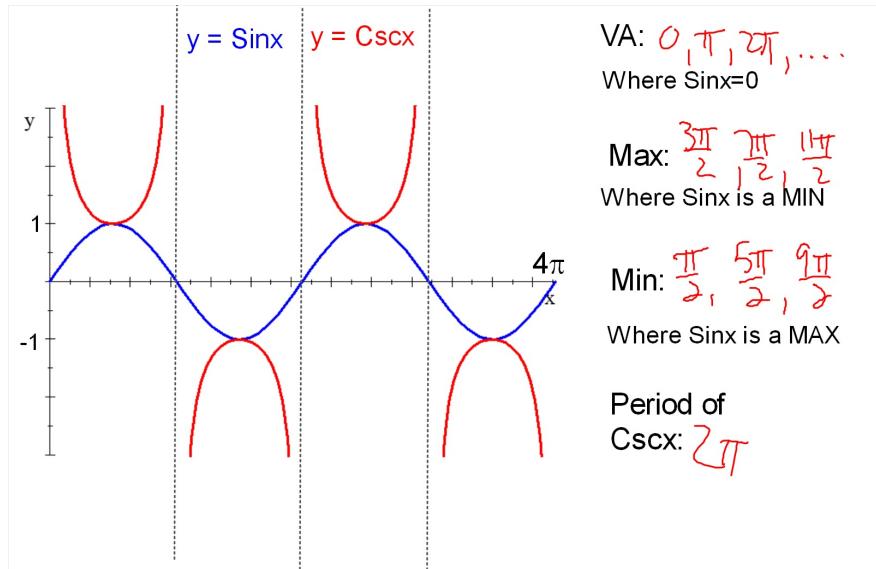
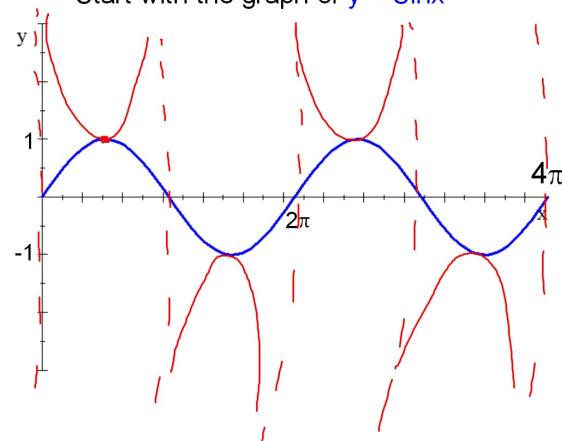
Graphs of the Inverse Trig Functions: $y = \text{Sec}x$

Start with the graph of $y = \text{Cos}x$



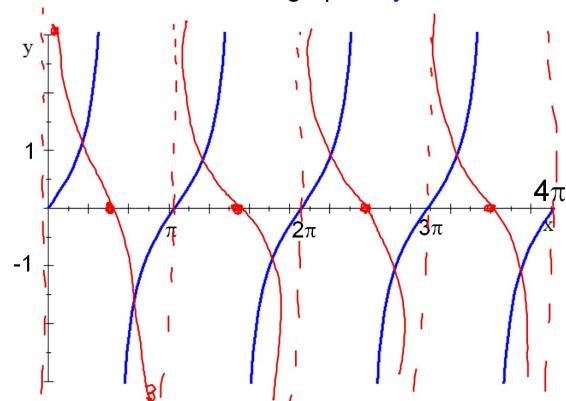
Graphs of the Inverse Trig Functions: $y = \text{Csc}x$

Start with the graph of $y = \text{Sin}x$



Graphs of the Inverse Trig Functions: $y = \text{Cot}x$

Start with the graph of $y = \text{Tan}x$



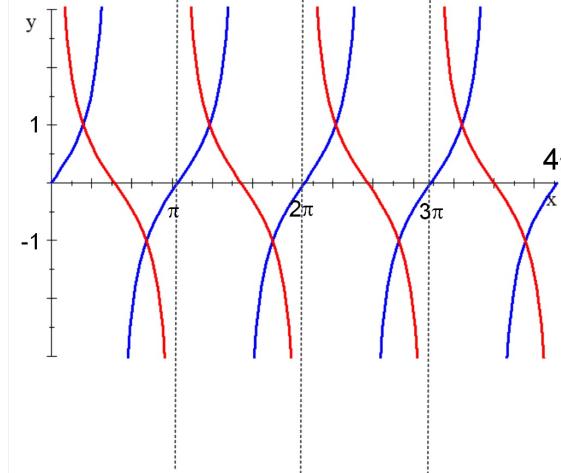
$$y = \text{Tan}x$$

$$y = \text{Cot}x = \frac{\text{Cos}x}{\text{Sin}x}$$

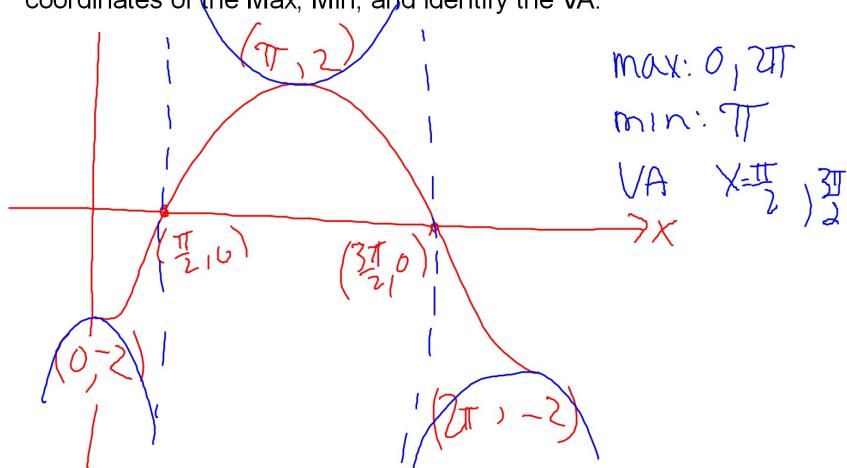
VA: $0, \pi, 2\pi, \dots$
Where $\text{Sin}x=0$

Zeros: $\frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{2}, \dots$
Where $\text{Cos}x=0$

Period of
 $\text{Cot}x: \pi$



Sketch one period of the graph of $y = -2\sec x$. Label the coordinates of the Max, Min, and identify the VA.



Sketch one period of $y = 5\csc(2x)$. Label the coordinates of the Max, Min, and identify the VA.

