GPS PreCalculus

Guided Notes – Graphing sec/csc

Reciprocal Identities

 

If cos x = 0, then sec x is undefined (VA) If sin x = 0, then csc x is undefinded (VA)

To graph csc x/sec x:

1. Graph y = sin x for csc x and y = cos x for sec x
2. Locate the vertical asymptotes –

Example 1: Graph y = csc x Example 2: Graph y = sec x





Example 3: Graph 



Amplitude:\_\_\_\_\_\_\_\_\_

Period:\_\_\_\_\_\_\_

Vertical Shift:\_\_\_\_\_\_

Horizontal Shift\_\_\_\_\_

Start:\_\_\_\_\_

End:\_\_\_\_\_

Increments:\_\_\_\_



Example 4: Graph 

Amplitude:\_\_\_\_\_\_\_\_\_

Period:\_\_\_\_\_\_\_

Vertical Shift:\_\_\_\_\_\_

Horizontal Shift\_\_\_\_\_

Start:\_\_\_\_\_

End:\_\_\_\_\_

Increments:\_\_\_\_