

1. Examine the tangent and cotangent graphs. How will you remember how to graph each of them, and how will you remember how they differ?

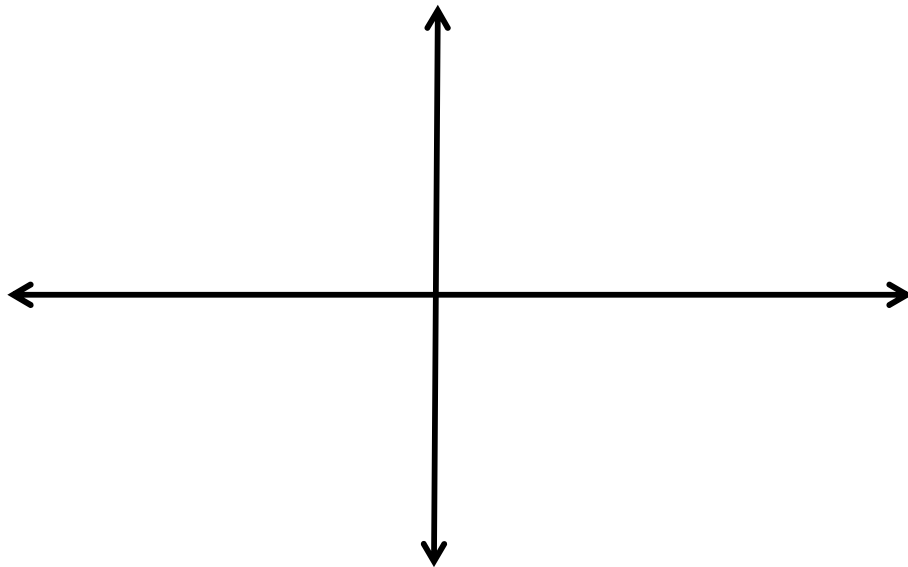
2. Examine the cosecant and secant graphs. How will you remember how to graph each of them, and how will you remember how they differ?

3. All of the trig functions have a period of  $2\pi$ , except \_\_\_\_\_ and \_\_\_\_\_.  
Their period is \_\_\_\_\_. Therefore, their Frequency,  $B =$  \_\_\_\_\_.

4. The asymptotes of \_\_\_\_\_ and \_\_\_\_\_ are at  $0, \pi, 2\pi$ , etc.  
The asymptotes of \_\_\_\_\_ and \_\_\_\_\_ are at  $\frac{\pi}{2}, \frac{3\pi}{2}, \frac{5\pi}{2}$ , etc.

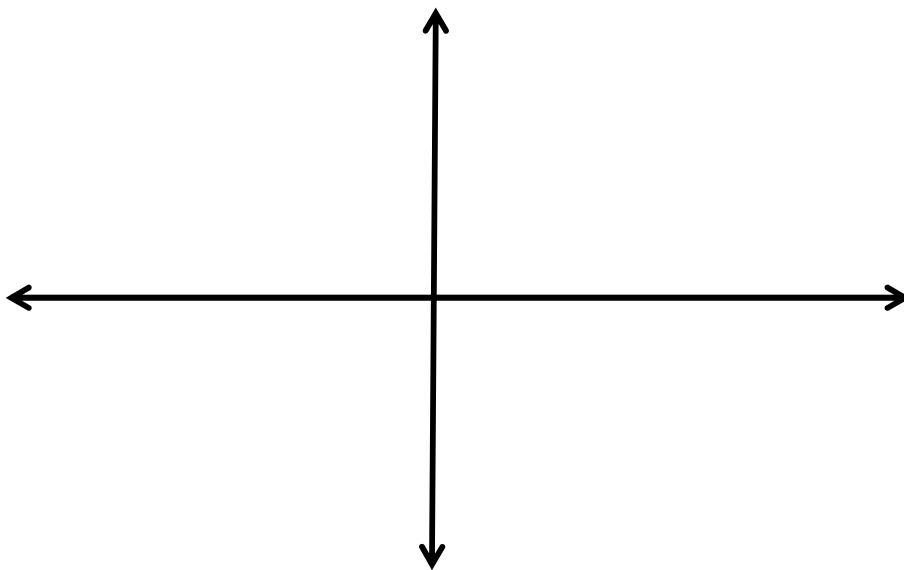
For each function, graph 2 periods. Label all critical points and draw vertical asymptotes.

5.  $y = 4 \tan \theta$



OVER!

6.  $y = \csc \theta + 5$



7.  $y = 2 \sec \theta$

