

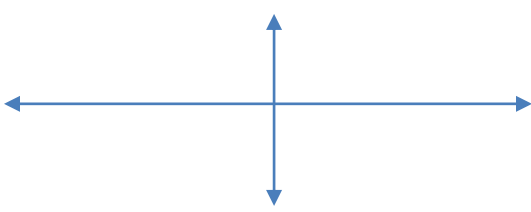
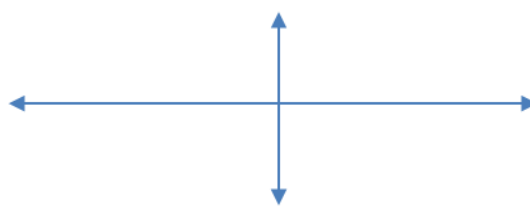
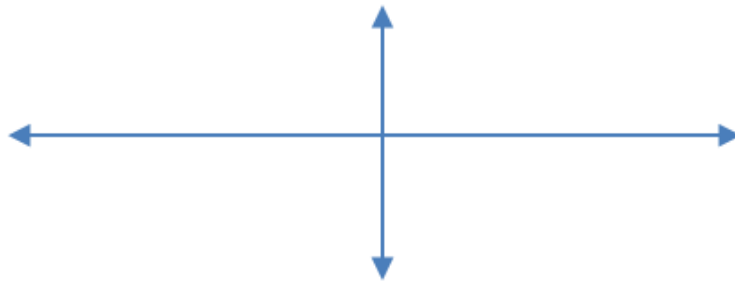
7.2: Graph Reciprocal Functions

“I WILL...
...graph trig functions.”

I. Graphing Trig Functions

A. From the Unit Circle, there are five points to graph.

1. Sine and Cosine graphs, they are $0, \frac{\pi}{2}, \pi, \frac{3\pi}{2},$ and 2π
2. Tan graphs are $0, \frac{\pi}{4}, \frac{\pi}{2}, \frac{3\pi}{4},$ and π
3. Cosecant graph is the reciprocal of a sine function, Secant graph is the reciprocal function, and Cotangent graph is the reciprocal of the tangent function
4. Asymptotes are all zeroes of the sine and graph

<p>Ex 1: Graph $y = \csc x$</p>  <p>Period: Domain: Range: Zeroes: Odd or Even Function?</p>	<p>Ex 2: Graph $y = \sec x$</p>  <p>Period: Domain: Range: Zeroes: Odd or Even Function?</p>
<p>Ex 3: Graph $y = \cot x$</p>  <p>Period: Domain: Range: Zeroes: Odd or Even Function?</p>	

Assignment: Worksheet