

Graphs of the Other Trigonometric Functions

Recall the definitions of the “other trig functions”:

DEFINITIONS: The **tangent function** is defined by _____.

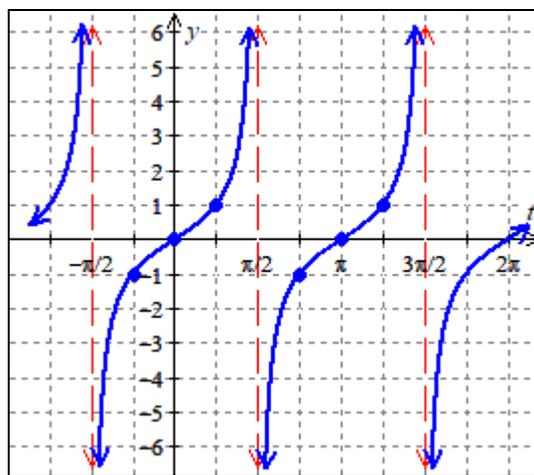
The **cotangent function** is defined by _____.

Consequently:

The **secant function** is defined by _____.

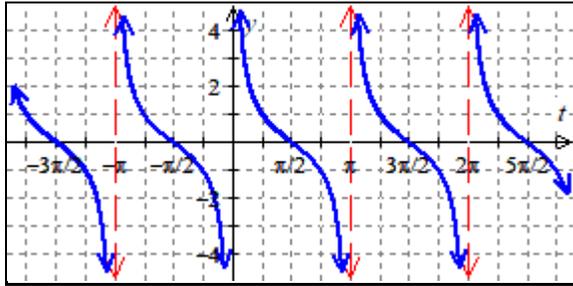
The **cosecant function** is defined by _____.

Below is the graph $y = \tan(t)$. Let's discuss why the graph looks like it does.



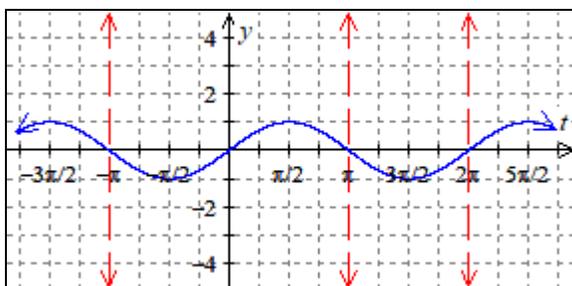
A graph $y = \tan(t)$.

Below is the graph of $y = \cot(t)$. Let's discuss why it looks like it does.

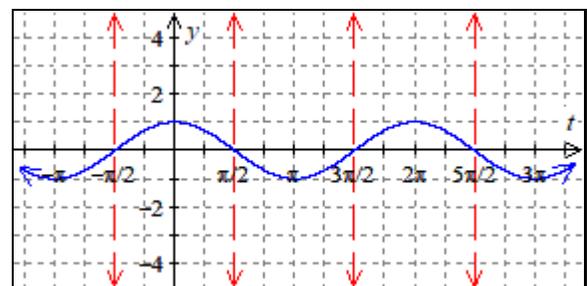


A graph of $y = \cot(t)$.

Let's sketch graphs of $y = \sec(t)$ and $y = \csc(t)$.



Draw a graph of _____.



Draw graph of _____.