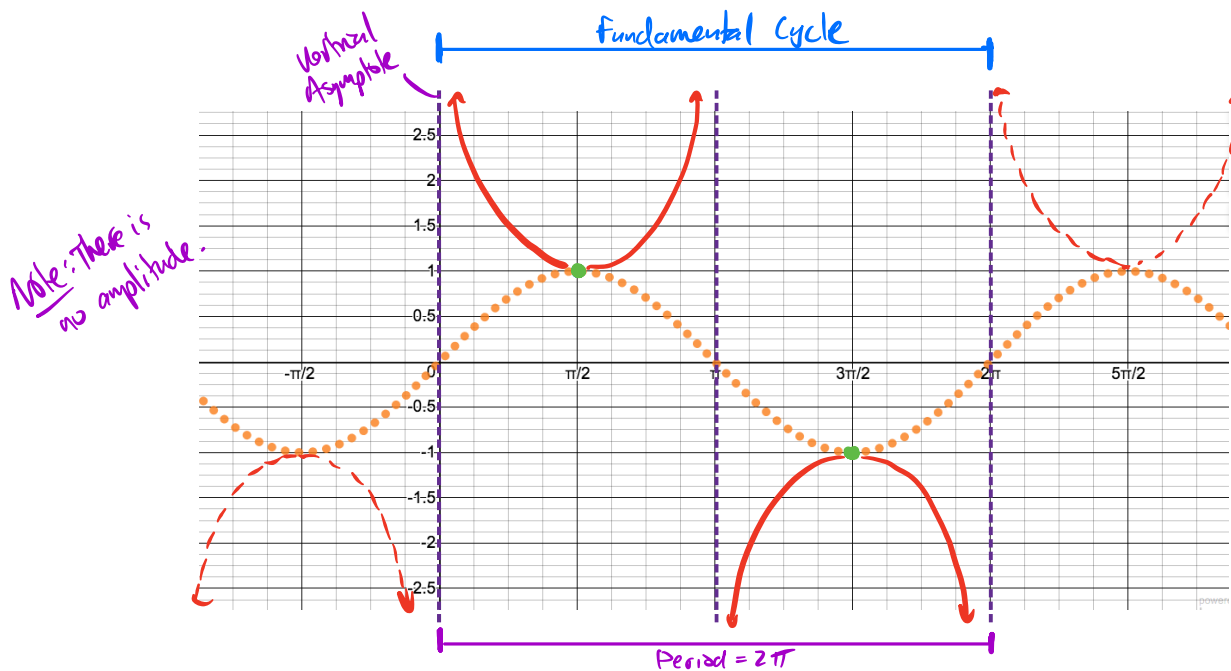


§1.6 (part 1): Graphing the Other Trig Functions

1.] Sketch the graph of $f(x) = \csc(x)$.

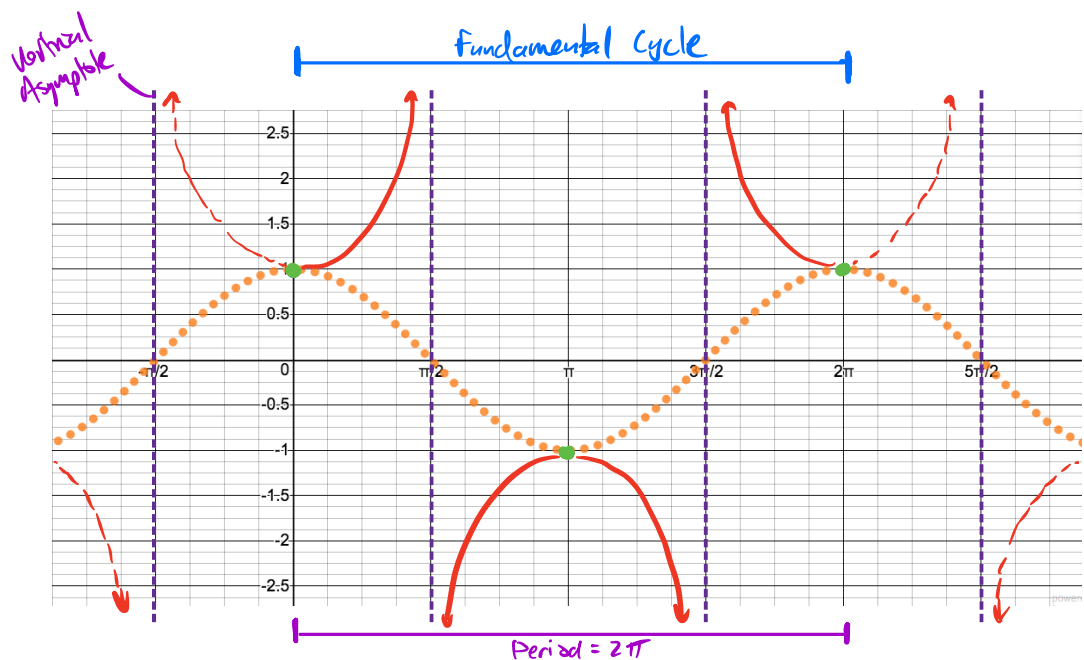


Domain: all Real numbers except integer multiples of π

Range: $(-\infty, -1] \cup [1, \infty)$

Five key Points: (VA) $(\pi/2, 1)$ (VA) $(3\pi/2, -1)$ (VA)

2.] Sketch the graph of $f(x) = \sec(x)$

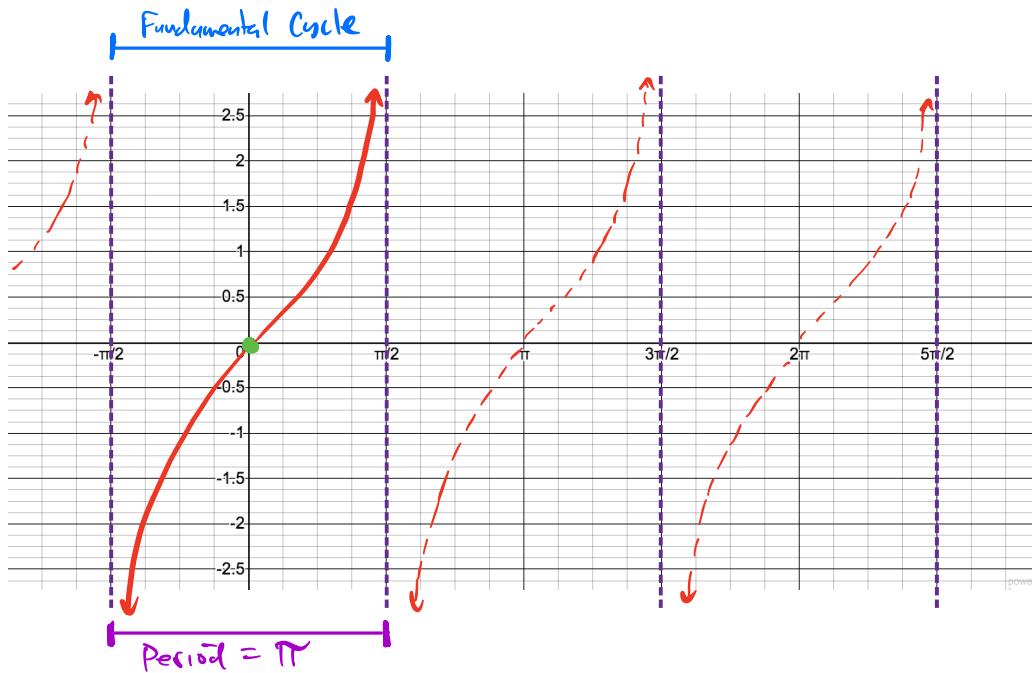


Domain: all Real numbers except odd integer multiples of $\frac{\pi}{2}$

Range: $(-\infty, -1] \cup [1, \infty)$

Five key Points: $(0, 1)$ (VA) $(\pi, -1)$ (VA) $(2\pi, 0)$

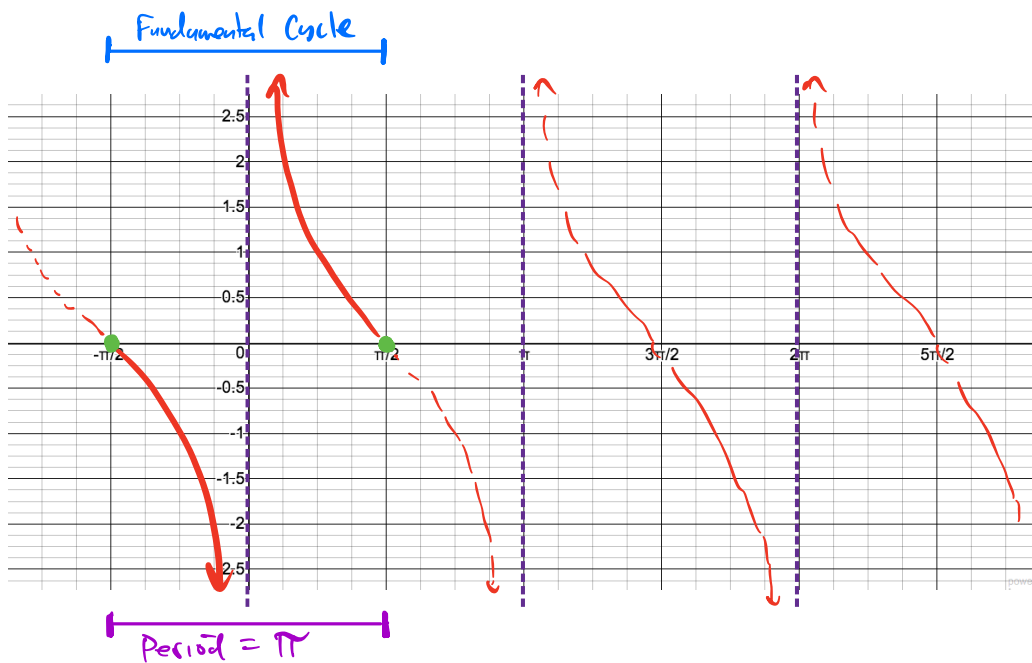
3.] Sketch the graph of $f(x) = \tan(x)$.



Domain: all Real numbers except odd integer multiples of $\frac{\pi}{2}$

Range:
 $(-\infty, \infty)$

4.] Sketch the graph of $f(x) = \cot(x)$



Domain: all Real numbers except integer multiples of π

Range:
 $(-\infty, \infty)$