Math 122 – Trigonometry   Name_____
Section [2.5] Video Worksheet – 9th Edition
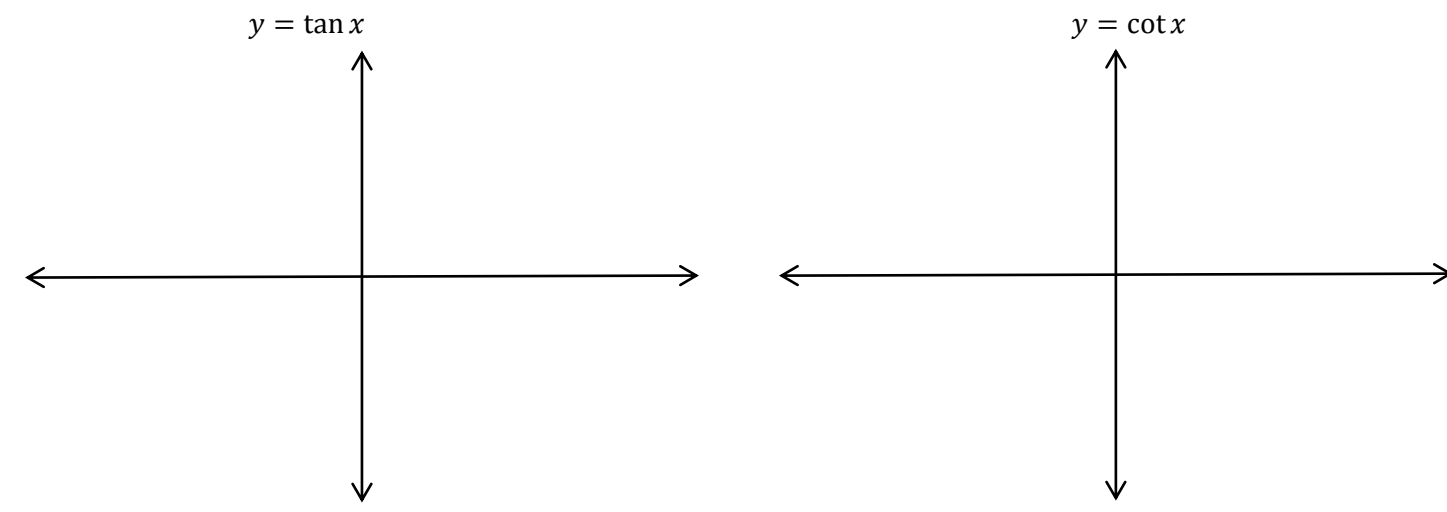
Tangent and Cotangent Graphs

Write tan (x) and cot (x) in terms of sin (x) and cos (x)

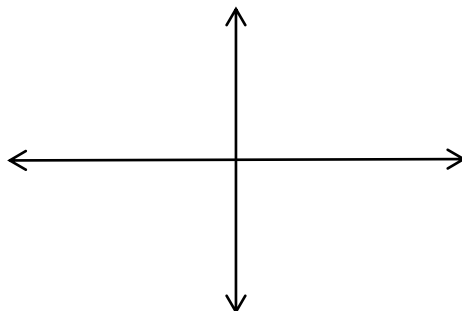What is the y-intercept of $y = \tan x$? $y = \cot x$?

Display cosecant and secant for numbers $x, -2\pi < x < 2\pi$. Mark asymptotes

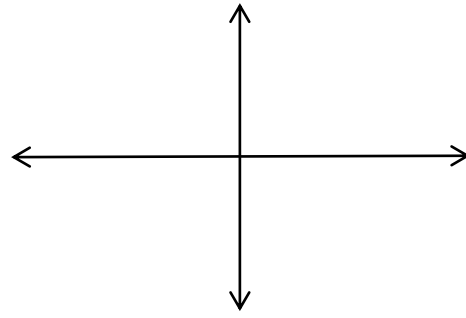$y = \tan x$ $y = \cot x$

Determine the new period, phase shift, vertical stretch or shrink and vertical translation without a graphing calculator

- $y = 3 \tan \left(\frac{1}{2} x - \pi \right) + 1$

- $y = -\frac{1}{2}\cot(3x - \pi) + 2$

- $y = -\frac{1}{2}\cot(3x - 2\pi) + 1$