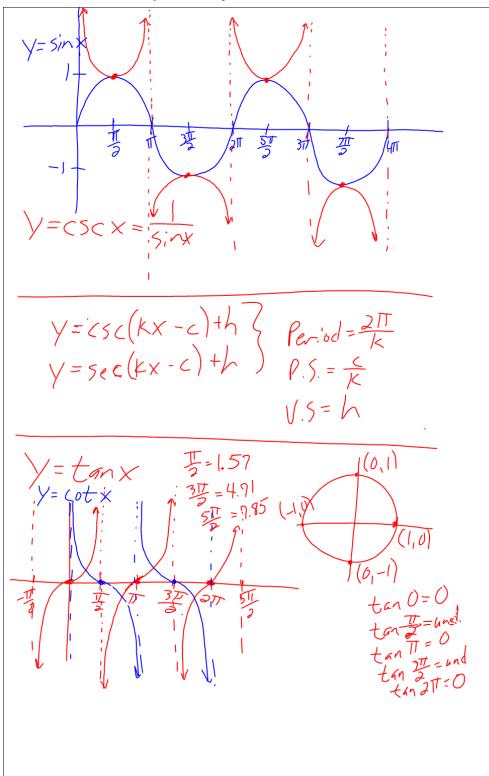
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 $Y = csc(k\theta - c) + h$ $Y = tan(k\theta - c) + h$ $Y = cot(k\theta - c) + h$ $Y = cot(k\theta - c) + h$ Period = 2TT Period = I $\begin{array}{ll} Period = \frac{2\pi}{K} & Period = \frac{1}{K} \\ Phase Shift = \frac{\zeta}{K} & P.S. = \frac{\zeta}{K} \\ Vert. Shift = L & V.S. = L \end{array}$ $y = \csc\left(\frac{1\theta}{2} - \frac{\pi}{4}\right) + 2. \quad [Find Period, P.S., V.S]$ $k = \frac{1}{4} \quad c = \frac{\pi}{4} \quad h = 2$ $Period = \frac{2\pi}{12} = 2\pi \cdot \frac{2}{4} = 4\pi$ $P.S = \frac{\pi}{4} \cdot \frac{2}{5} = \frac{\pi}{4} \cdot \frac{2}{5} = \frac{\pi}{2}$ 15.-2 $Y = t_{an} \left(\frac{4}{3} + \frac{1}{4} \right) - 3$ $k = \frac{1}{3} \quad c = -\frac{1}{4} \quad h = -3$ Per= TI = 3TT $P.S. = \frac{-\pi}{V_2} = -\frac{\pi}{4} \cdot \frac{3}{7} = -\frac{3\pi}{4}$ V.S.=-3

Write an equation for a secant function with period π phase shift $\frac{\pi}{3}$, and vertical shift -3. 2 K=2TT $\frac{2\pi}{3} = C$ K=2 $Y = Sec(20 - \frac{2\pi}{3}) - 3$ P. 401-403 29-34-> no graph > Find Period, Phase Shift, Vert, Shift 36-43, 47, 49, 59