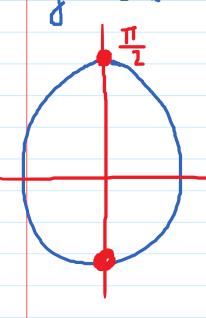
## 4.3 Graphs of tangent and Cotangent Wednesday, Jebruary 26, 2020 19:28 AM



LONX = 0 when x = 1/2 + K.TL

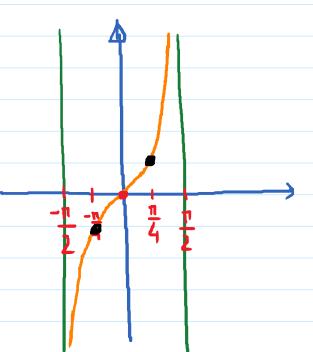
tanx is undefined when  $X = \frac{\pi}{2} + K - \pi$ 

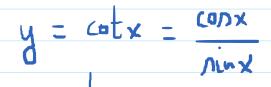
Craph of trux has vertical

asymptotes when  $X = \frac{\pi}{2} + K \cdot \pi$ .

1-basic cycle: Start at  $-\frac{\pi}{2}$ , endr at  $\frac{\pi}{2}$ .

 $\frac{x}{\frac{\pi}{2}} = \frac{1}{2}$   $\frac{\pi}{4} = \frac{1}{4}$   $\frac{\pi}{2} = \frac{1}{4}$ 





Minx = 0 when x = K.TT

Cotx is undefined when X= K·TI

Graph of cotx has V.A. when

X= K-π.

1 basic cycle of cot: starts et a endo at 17.

x y = cot x

O videfined -> V. A

1 1

 $\frac{\pi}{2}$  O  $3\pi$  -1

The undefined - V. A