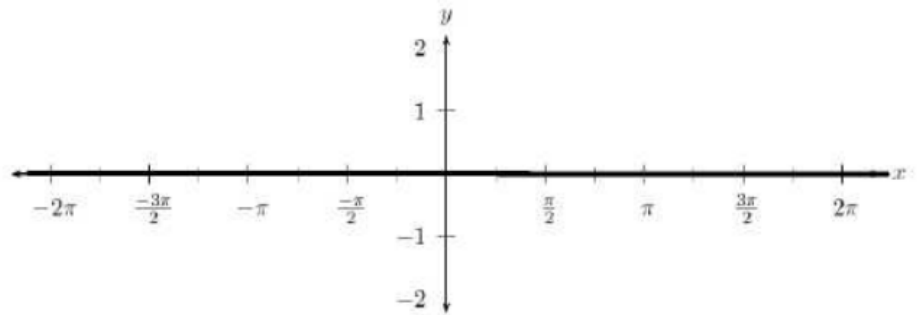
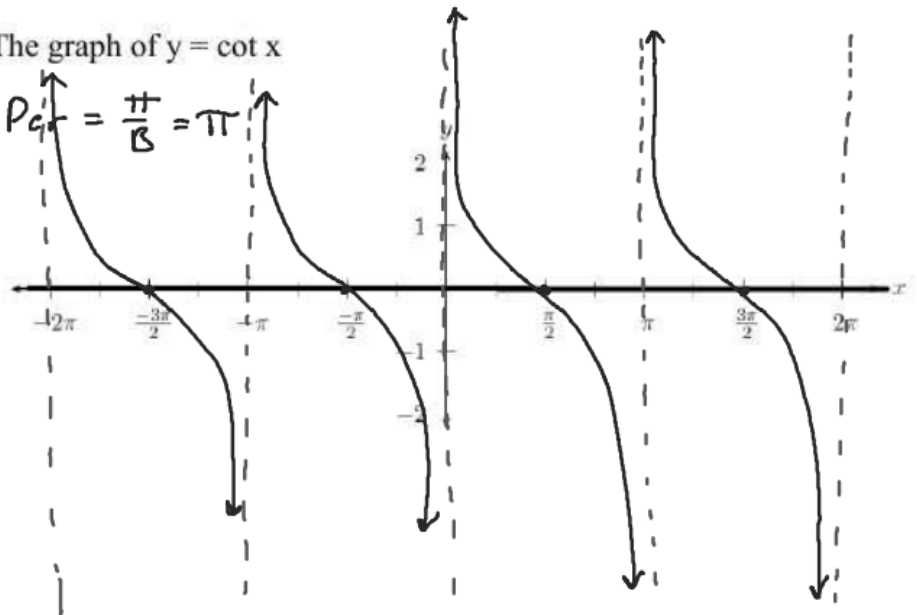


The graph of $y = \tan x$



The graph of $y = \cot x$

$$P_{\text{cot}} = \frac{\pi}{B} = \pi$$



V.A. every mult of π

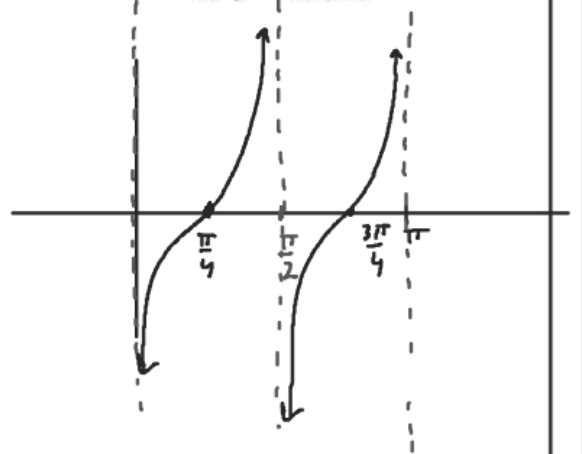
X-intercept \rightarrow odd multiples of $\frac{\pi}{2}$

Describe the graph of the function in terms of a basic trigonometric function. Locate the vertical asymptotes and graph 2 periods of the function.

A) $y = 2\tan(3x)$

B) $y = -\cot(2x)$

Per $\frac{\pi}{2}$



C) $y = \sec(4x)$

D) $y = -\csc\left(\frac{x}{3}\right)$

Describe the transformations required to obtain the graph of the given function from a basic trigonometric graph.

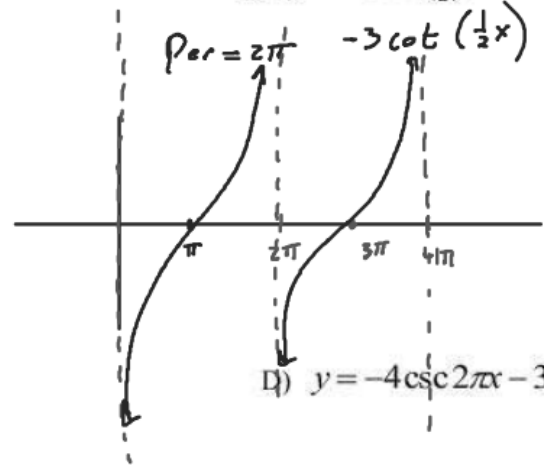
A) $y = 5 \tan x$

$$y = \frac{1}{2} \sin(-\pi x)$$

$$-\frac{1}{2} \sin(\pi x)$$

C) $y = 2 \sec \frac{4x}{3}$

B) $y = -3 \cot\left(\frac{x}{2}\right)$



D) $y = -4 \csc 2\pi x - 3$