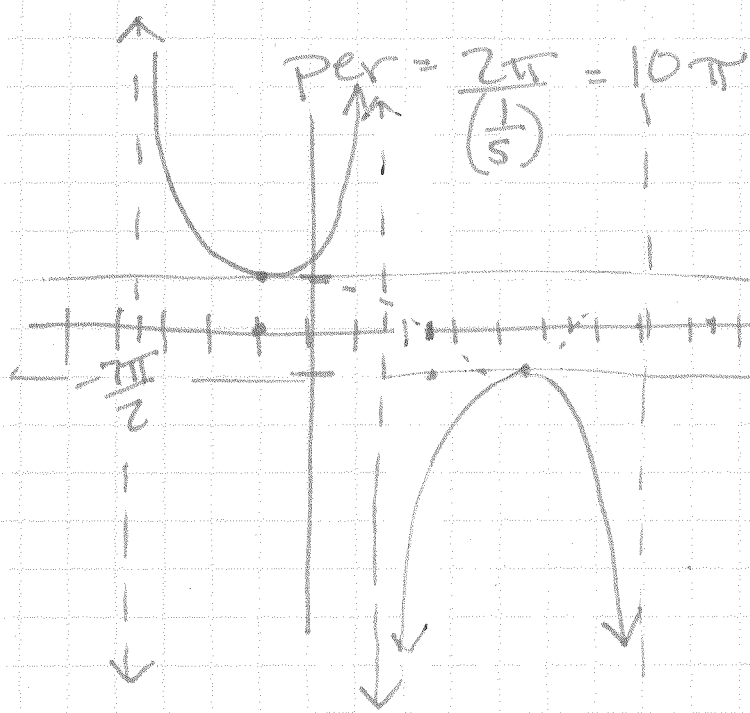


27: 14, 34, 44-47, 52, 53, 64

14. $y = \sec\left(\frac{x}{5} + \frac{\pi}{5}\right)$ $a=1$ $d=0$



asymptotes:

$$\frac{x + \pi}{5} = -\frac{\pi}{2} \quad \frac{x + \pi}{5} = \frac{\pi}{2}$$

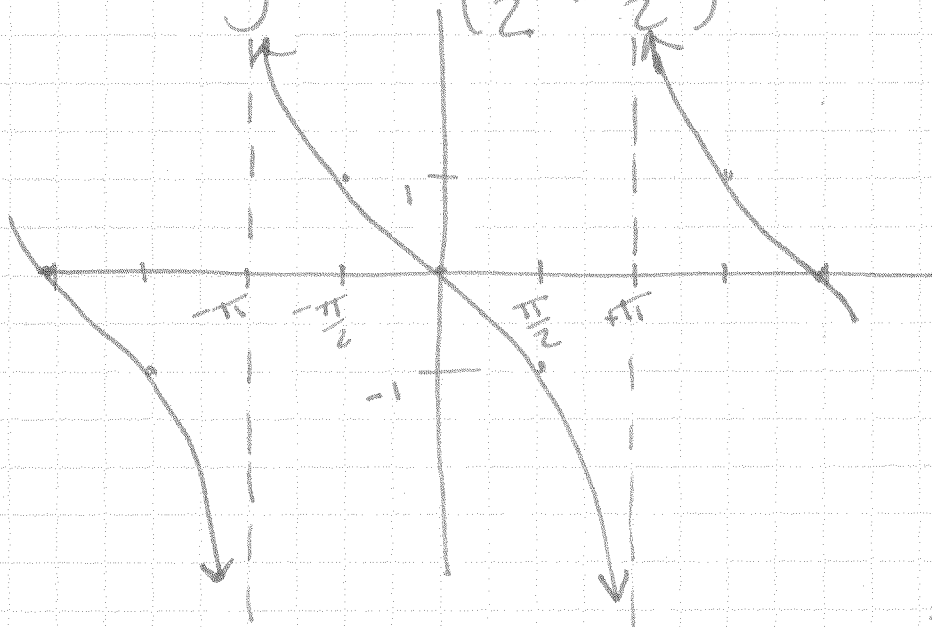
$$2x + 2\pi = -5\pi \quad 2x + 2\pi = 5\pi$$

$$2x = -7\pi \\ x = -\frac{7\pi}{2}$$

$$2x = 3\pi \\ x = \frac{3\pi}{2}$$

$$\frac{10\pi}{2} \rightarrow$$

34. $y = \cot\left(\frac{x}{2} + \frac{\pi}{2}\right) - 1$ VA $\frac{x}{2} + \frac{\pi}{2} = 0$



$$x = -\pi$$

$$\frac{x}{2} + \frac{\pi}{2} = \pi$$

$$x + \pi = 2\pi$$

$$x = \pi$$

$$\text{per} = \frac{\pi}{\left(\frac{1}{2}\right)} = 2\pi$$

$$\text{PS} = \frac{-c}{\frac{1}{2}} = \frac{-\frac{\pi}{2}}{\frac{1}{2}} = -\pi$$

$$64. \quad 2 \cos\left(3x + \frac{3\pi}{4}\right) - 6 \quad \text{V.S.} = -6$$

$$\text{amp} = 2 \quad \text{per} = \frac{2\pi}{3} \quad \text{PS} = \frac{-c}{b} = \frac{\left(-\frac{3\pi}{4}\right)}{\left(\frac{3}{3}\right)} = -\frac{\pi}{4}$$

