

$$\begin{aligned} \operatorname{tg}x + \operatorname{tg}y &= 1/\sqrt{3} \\ x + y &= P/6 \end{aligned}$$

$$\begin{aligned} \operatorname{tg}x + \operatorname{tg}y &= 1/\sqrt{3} \\ y &= P/6 - x \end{aligned}$$

$$\operatorname{tg}x + \operatorname{tg}(P/6 - x) = 1/\sqrt{3}$$

$$\operatorname{tg}(x+y) = \frac{\operatorname{tg}x + \operatorname{tg}y}{1 - \operatorname{tg}(x) \operatorname{tg}y}$$

$$\operatorname{tg}x + (\operatorname{tg}(-x) + \operatorname{tg}(P/6)) / (1 - \operatorname{tg}(-x) \operatorname{tg}(P/6)) = 1/\sqrt{3}$$

$$\operatorname{tg}x + (\operatorname{tg}(-x) + 1/\sqrt{3}) / (1 - (\operatorname{tg}(-x)) \cdot 1/\sqrt{3}) = 1/\sqrt{3}$$

$$\operatorname{tg}x - (\operatorname{tg}x - 1/\sqrt{3}) / (1 - \operatorname{tg}x \cdot 1/\sqrt{3}) = 1/\sqrt{3}$$

$$\operatorname{tg}x = t$$

$$t - (t - 1/\sqrt{3}) / (1 - t \cdot 1/\sqrt{3}) = 1/\sqrt{3}$$

$$\frac{(t - t^2 \cdot 1/\sqrt{3}) / (1 - t \cdot 1/\sqrt{3}) - (t - 1/\sqrt{3}) / (1 - t \cdot 1/\sqrt{3})}{1 - t \cdot 1/\sqrt{3}} = 1/\sqrt{3} (1 - t \cdot 1/\sqrt{3}) / (1 - t \cdot 1/\sqrt{3})$$

$$(1 - t \cdot 1/\sqrt{3}) \neq 0$$

$$t \cdot 1/\sqrt{3} \neq 1$$

$$t \neq 1/\sqrt{3}$$

$$t - t^2/\sqrt{3} - t + 1/\sqrt{3} = 1/\sqrt{3} - t/3$$

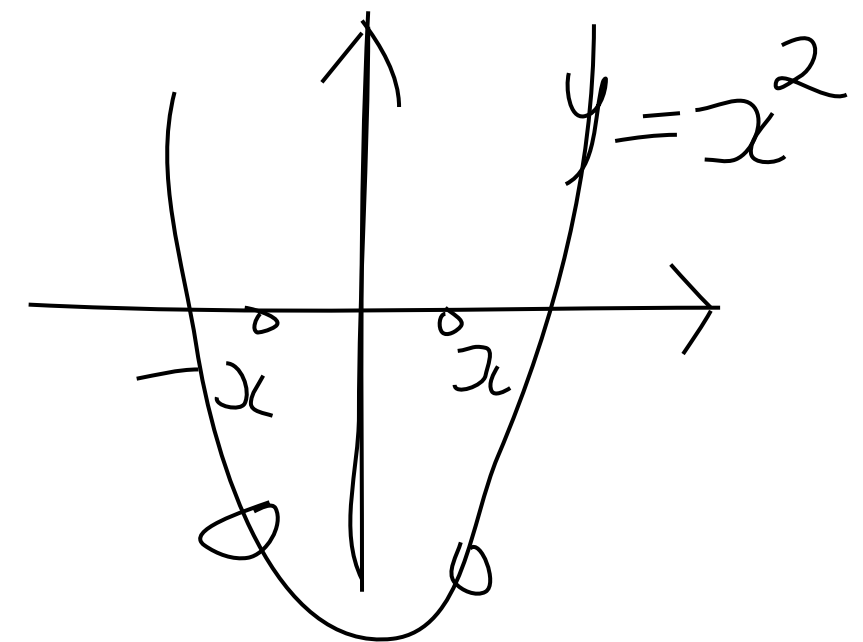
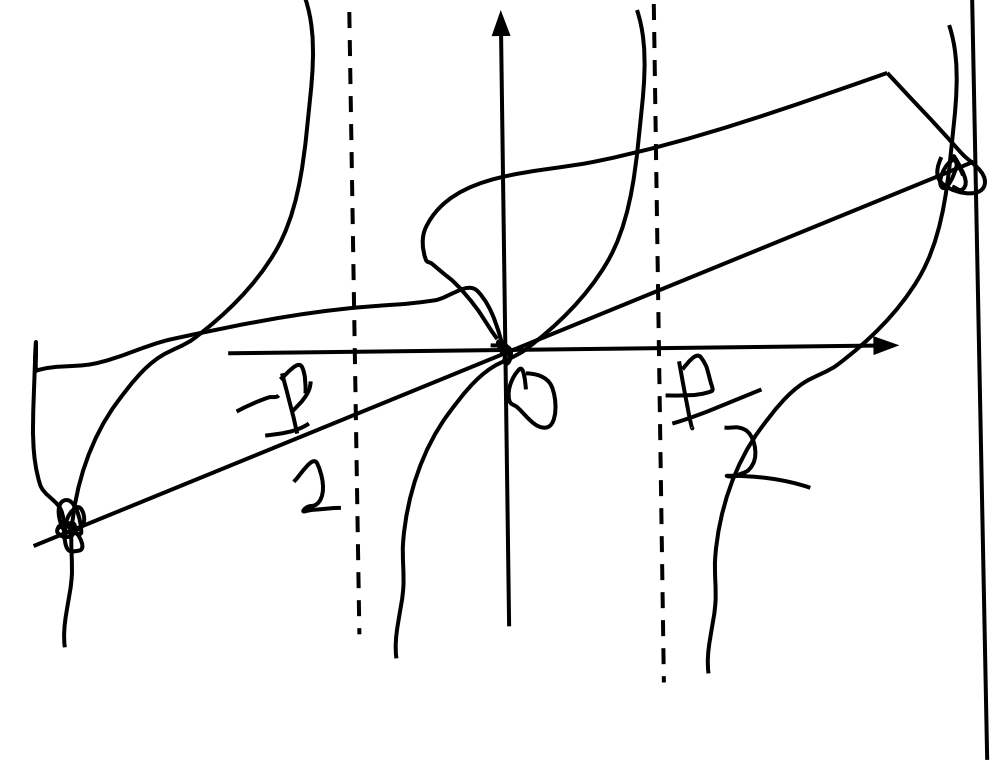
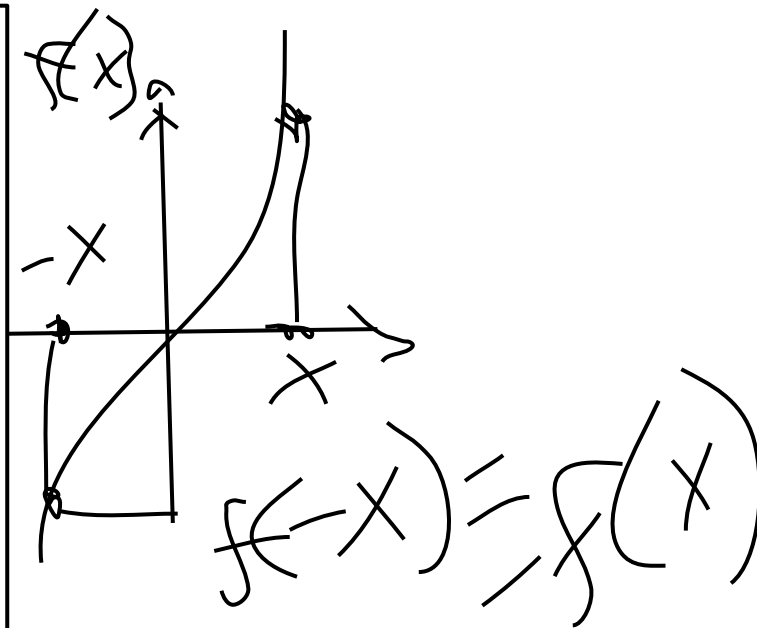
$$-t^2 + 1 = 1 - t/\sqrt{3}$$

$$t^2 - t/\sqrt{3} = 0$$

$$t(t - 1/\sqrt{3}) = 0$$

$$t = 0 \text{ или } 1/\sqrt{3}$$

$$\operatorname{tg}x = 0$$



$$f(x) = f(-x)$$