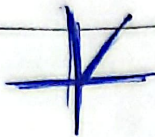


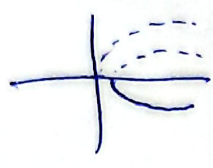
$$fa = a^2 + 4 \rightarrow -a^2 + 4a - 4 = 0 \rightarrow -(a^2 - 4a + 4) = 0$$

$$(a-1)(a-3) = 0$$

$$a=1 \quad a=3$$

$$|y| = |x| \rightarrow \text{مسئله}$$


$$|y| + \sqrt{x-1} = 0$$

$$|y| = -\sqrt{x-1}$$


$$|y-1| = \sqrt{x-2}$$

$$y=2, 0$$

$$x=0 \rightarrow \sin z = 1 \rightarrow \cos \frac{y}{2} = 0$$

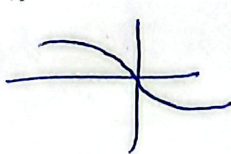
$$y = 0, 2\pi$$

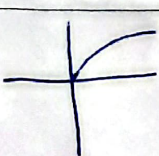
$$x=0 \rightarrow 0=0 \rightarrow y \in \mathbb{R}$$

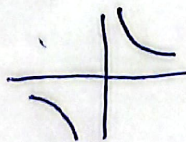
$$y-y = \frac{x}{2} \rightarrow y-y = 0 \rightarrow y=1, 0$$

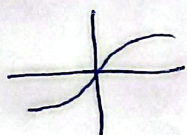
$$x^2 + |y-1| = 4x \rightarrow x=1 \rightarrow |y-1|=3$$

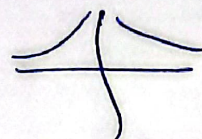
$$y=4, 0$$

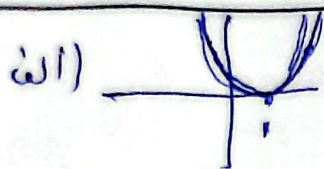
$$y^2 + 3x = 0 \rightarrow y = -\sqrt{3x}$$


$$|y| = \sqrt{x}$$


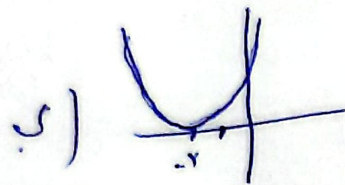
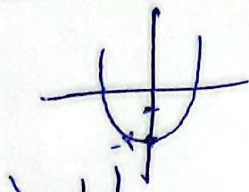
$$x=1$$


$$y=1$$


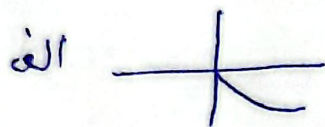
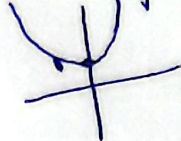
$$y=0$$




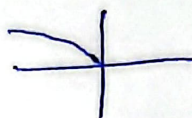
ج.)



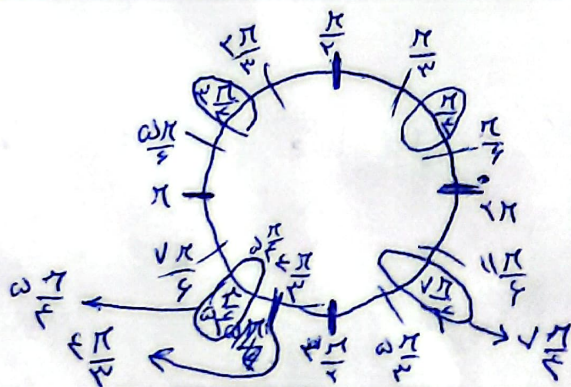
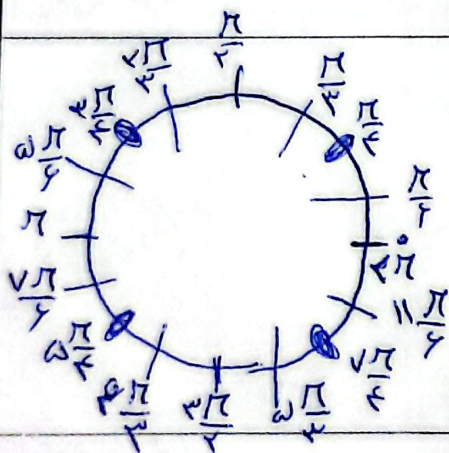
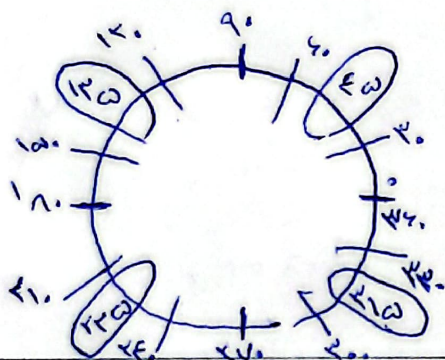
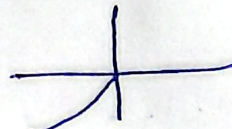
د)



ب)



ج)



الف) $\gamma \rightarrow \frac{1}{\gamma} = \cos$ ب) $\omega \rightarrow \frac{1}{\omega} = \sin$

ج) $\rightarrow \frac{1}{\gamma} = \frac{1}{\gamma}$ د) $-\frac{1}{\gamma}$