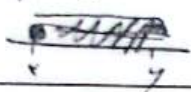
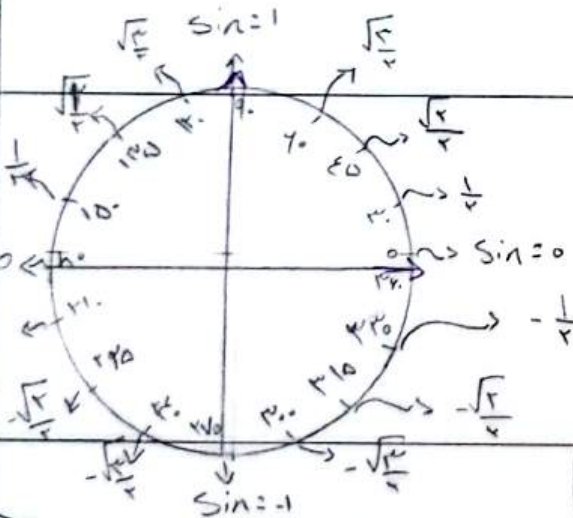
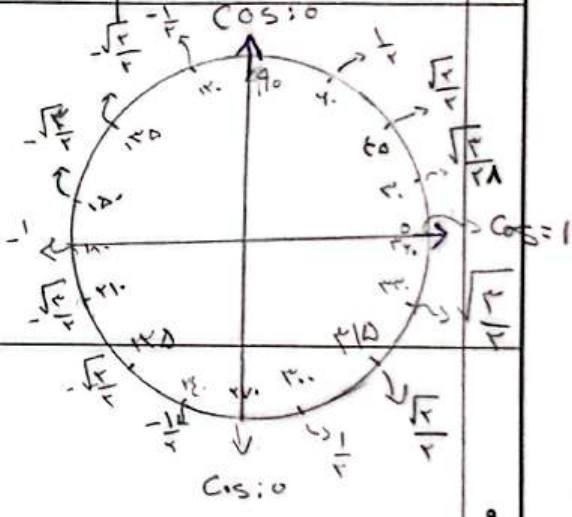
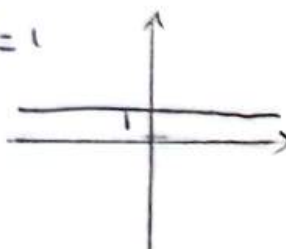
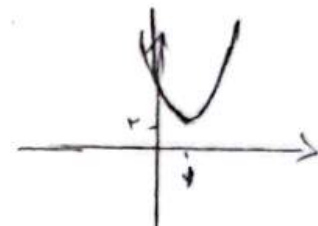
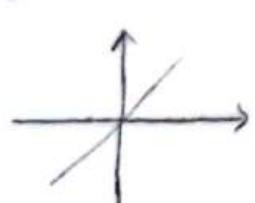
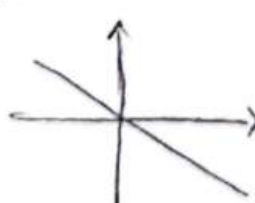
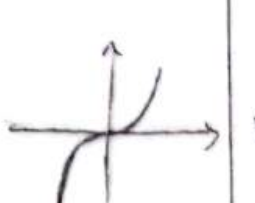


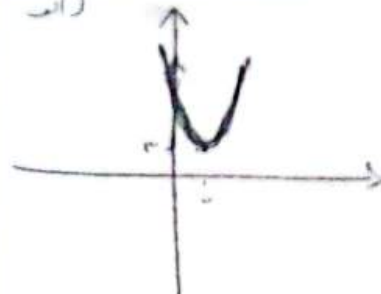
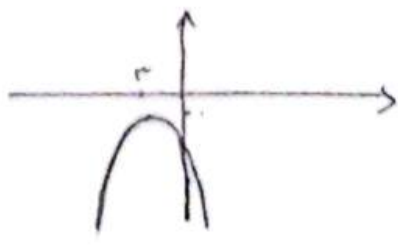
الف) $x^2 - 4x > 0$ $x(x-4) > 0$ $x=0$ $x > 4$ $D_f: (0, +\infty)$	ب)	ج)	د) $\{x, y: x^2 + y^2 = 4\}$ $\frac{-x}{4} - \frac{y}{4} + \frac{z}{4} = 0$ $D_f:$ $(-\infty, -1) \cup (1, +\infty)$	٤
الف) $4-x > 0 \rightarrow x < 4$ $x-2 > 0 \rightarrow x > 2$ $D_f = [2, 4]$ 	ب) $x^2 + 1 > 0 \rightarrow x^2 > -1 \rightarrow x > 1$ $D_f: (1, +\infty)$	ج) $x-2 > 0 \rightarrow x > 2$ $D_f: (2, +\infty)$	د) $ x + x^2 > 0$ $ x + x^2 \neq 0$ $ x + x^2 > 0 \rightarrow x > x^2$ $D_f = \emptyset$	٥
				٦
الف) $\cos 120^\circ = -\frac{1}{2}$ $\sin = \frac{1}{2} \rightarrow 30^\circ, 150^\circ$ $\frac{\pi}{6}, \frac{5\pi}{6}$	ب) $\cos 120^\circ = -\frac{1}{2} \Rightarrow \frac{\pi}{3}, \frac{2\pi}{3}$ $\sin = -\frac{\sqrt{3}}{2} \Rightarrow 240^\circ, 300^\circ$ $\frac{4\pi}{3}, \frac{5\pi}{3}$			٧

۱) $y^3 - x = 2x^2$ تابع است $x = 1$ $y^3 - 1 = 2 \times 1^2$ $y^3 = 3$ $y = \sqrt[3]{3}$	۲) $x-4 + y-2 = 0$ $x-4 = 0 \rightarrow x = 4$ $y-2 = 0 \rightarrow y = 2$ $(4, 2)$ تابع است $f(4) = 2$	۳) $x = \cos y$ $x = f(y) = \cos y$ تابع است	۱
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۴) $y = k$ $y = 1$ 	۵) 	۲
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			۳
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۶) 	۷) 	۸) 	۹) 	۴
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۱۰) 	۱۱) 	۵
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