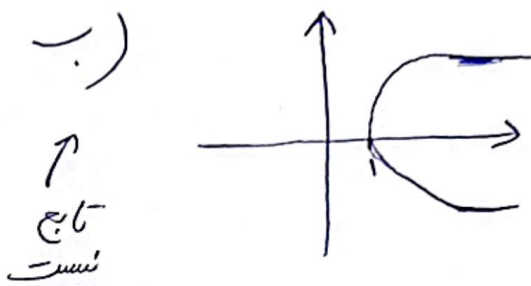
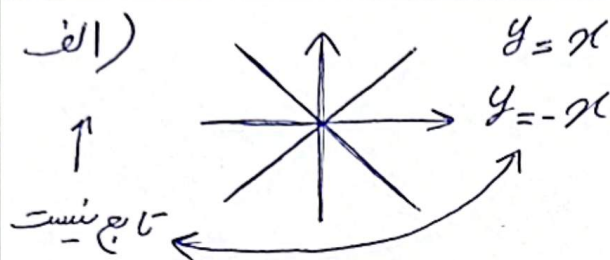


الف) $d^2 + 3 = 4d \rightarrow d^2 - 4d + 3 = 0 \rightarrow (d-1)(d-3) = 0$

$d=3$ $d=1$

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الف) $y-1=1 \rightarrow y=2$
 $\downarrow$
 $y-1=-1 \rightarrow y=0$
 $x=2$
 تابع نیست

ب) $y^5 - y = 0$
 $\downarrow$
 $y(y^4 - 1) = 0$
 $x=0$
 تابع نیست

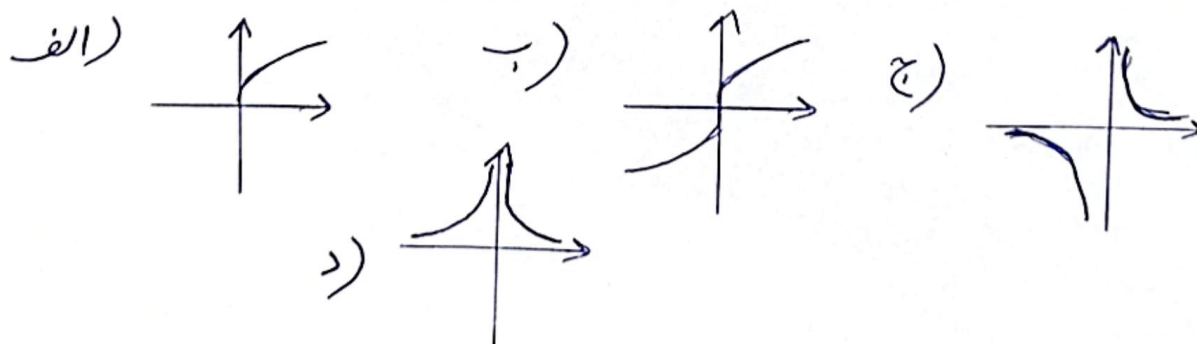
ج) $\frac{1}{y} + \frac{\cos^2 y}{y} = 1$
 $\downarrow$
 $\cos^2 y = 1$
 $x=45^\circ$
 تابع نیست
 د) $y(0) = 0$
 $\downarrow$
 $x=0$
 تابع نیست

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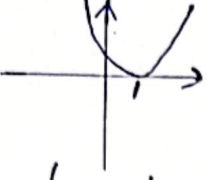
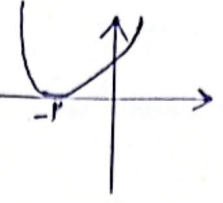
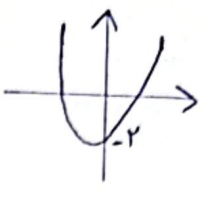
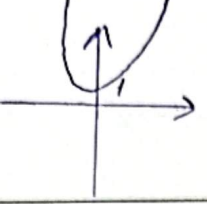
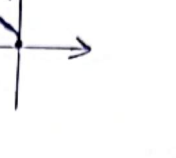
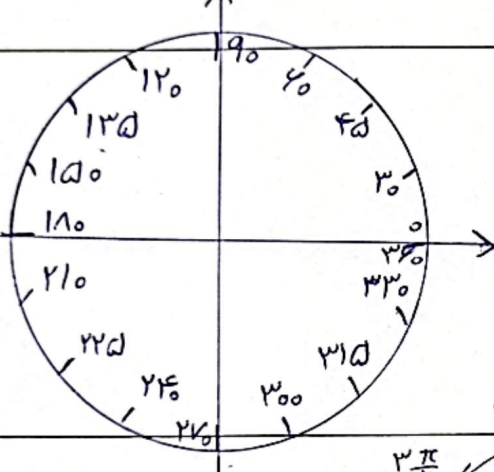
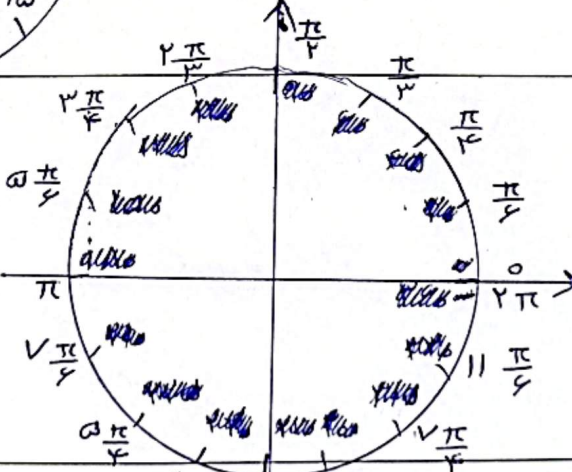
الف) $|y-1| = 4x - x^2 \rightarrow y-1 = \pm (4x - x^2) \rightarrow y = 1 + (4x - x^2)$
 $y = 1 - (4x - x^2)$
 تابع نیست

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ب) $y^5 + 3x = 0 \rightarrow y^5 + 0 = 0 \rightarrow y^5 = 0 \rightarrow y = 0$
 $x=0$
 $y=0$



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الف)  ب)  ج)  د) 	٦
الف)  ب)  ج)  د)  هـ) 	٧
	٨
	٩
الف) $\cos 120^\circ \Rightarrow \left(-\frac{1}{2}\right)$ ب) $\cos \frac{5\pi}{3} \Rightarrow \left(\frac{1}{2}\right)$ ج) $\sin 120^\circ \Rightarrow \left(\frac{\sqrt{3}}{2}\right)$ د) $\sin \frac{11\pi}{6} \Rightarrow \left(-\frac{1}{2}\right)$	١٠