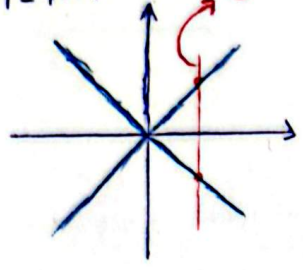
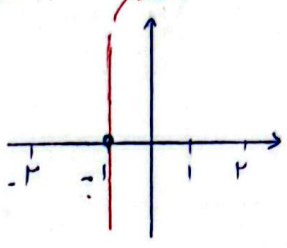
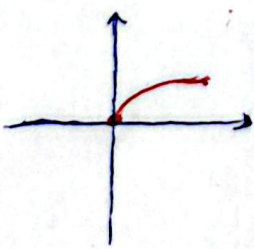
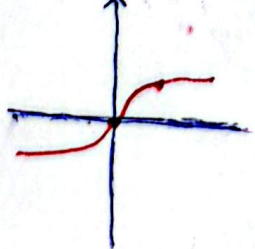
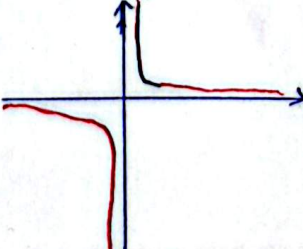
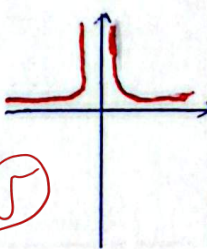
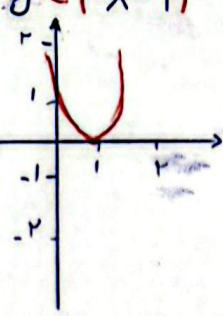
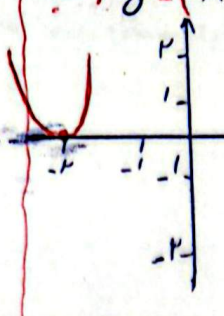
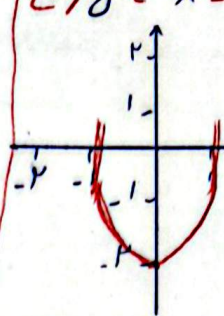
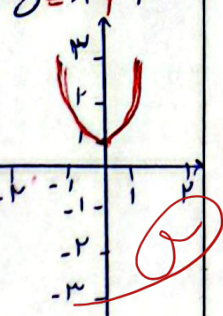
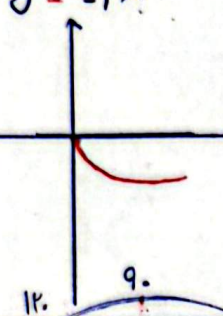
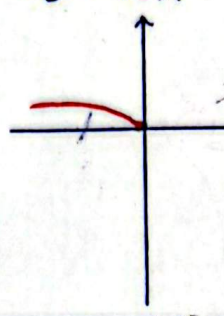
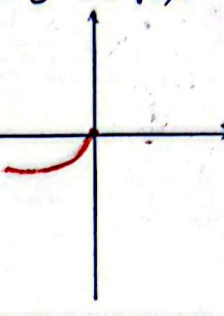
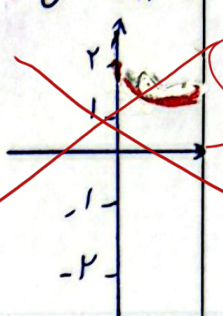
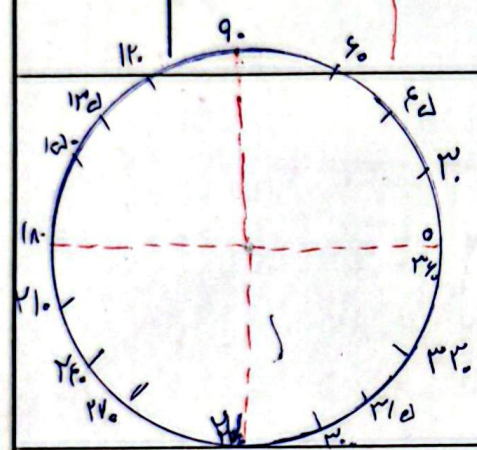
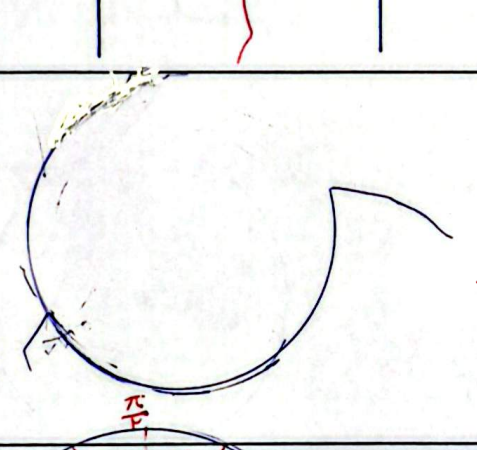
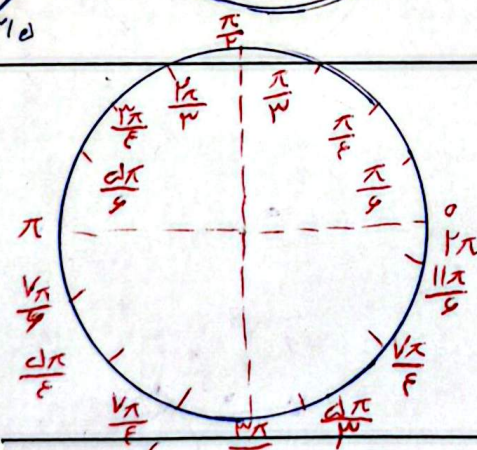
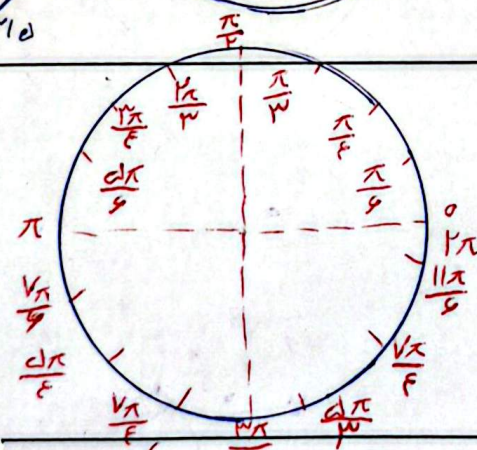


$4a = a^2 + 3$ $a^2 - 4a + 3 = 0$ $(a-3)(a-1) = 0$ $a = 3, 1$	3, 1 ۵	۱
$y = x$ تابع پیراسته 	$y = -\sqrt{x+1}$ تابع غیر  ۵	۲
الف) $y-1 = \sqrt{x-2}$ $x=2$ $y-1 = 1 \Rightarrow \begin{cases} y=2 \\ y=0 \end{cases}$	ب) $y^4 = y = \frac{x}{2}$ $x=0$ $(y(y-1)(y+1)(y^2+1))$ $y = 0, 1, -1$ ج) $\sin^2 x + \cos^2 y = 1$ $x=0 \Rightarrow \cos^2 y = 1$ $y = 0, \pi$ $(\cos 0)^2 + (\cos \pi)^2 = 1$ ۵	۳
د) $2xy = x$ $x=0 \Rightarrow y \in \mathbb{R}$ الف) $x^2 + y-1 = 4x$ $y-1 = x(4-x)$ $x=1$ $y-1 = 3 \Rightarrow \begin{cases} y=4 \\ y=-2 \end{cases}$	ب) $y^4 + 3x = 0$ $y^4 = -3x$ $y = \sqrt[4]{-3x}$ چون به ازای هر x یک y مشخص دریافت می کنیم رابطه ما تابعی است. ۵	۴
الف) $y = \sqrt[4]{x}$ 	ب) $y = \sqrt[4]{x}$  ج) $y = \frac{1}{x^3}$  د) $y = \frac{1}{x^4}$  ۵	۵

الف) $y = (x-1)^2$ 	ب) $y = (x+2)^2$ 	ج) $y = x^2 - 2$ 	د) $y = x^2 + 1$ 	6
الف) $y = -\sqrt{x}$ 	ب) $y = \sqrt{-x}$ 	ج) $y = -\sqrt{-x}$ 	د) $y = -\sqrt{x+2}$ 	7
				8
الف) $\cos 120^\circ = -\frac{1}{2}$	ج) $\cos \frac{4\pi}{3} = \frac{1}{2}$	د) $\sin \frac{11\pi}{6} = -\frac{1}{2}$	ب) $\sin 150^\circ = \frac{1}{2}$	9
الف) $\cos 120^\circ = -\frac{1}{2}$	ج) $\cos \frac{4\pi}{3} = \frac{1}{2}$	د) $\sin \frac{11\pi}{6} = -\frac{1}{2}$	ب) $\sin 150^\circ = \frac{1}{2}$	10

تسفل صفر سوال ۷ صحت >

