

$$a = \frac{+3}{+1}$$

2

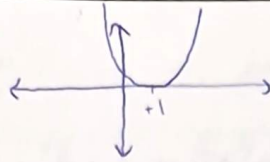
✓ کتاب است

د) $xy = x \rightarrow \text{if } x=0 \Rightarrow y \in \mathbb{R} \rightarrow X \text{ تابع نیست}$

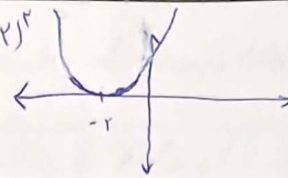
تابع نیست

• تابع $\checkmark \Rightarrow y_1 = y_2$

الف) $y = (x-1)^2$

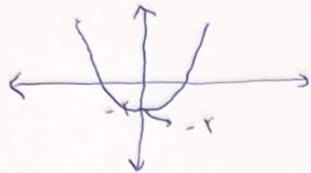


ب) $y = (x+2)^2$

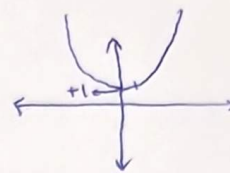


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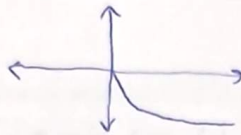
ج) $y = x^2 - 2$



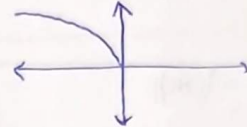
د) $y = x^2 + 1$



الف) $y = -\sqrt{x}$

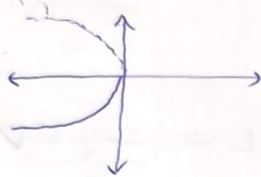


ب) $y = \sqrt{-x}$

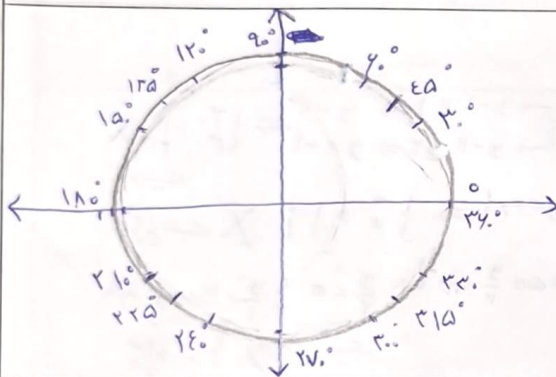
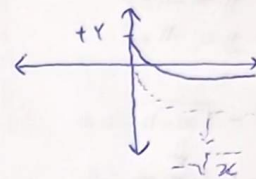


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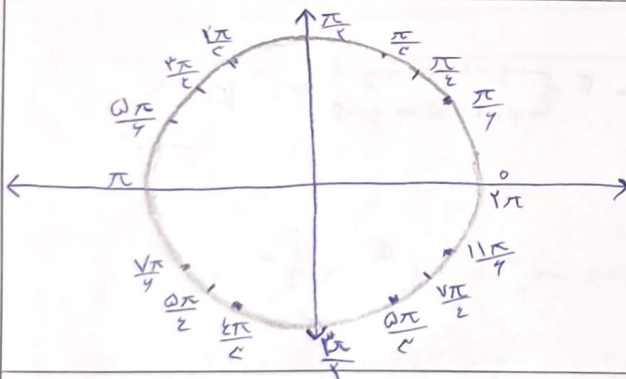
ج) $y = -\sqrt{-x}$



د) $y = -\sqrt{x} + 2$



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الف) $\cos 120^\circ \Rightarrow 120^\circ = \begin{cases} \frac{1}{r} \rightarrow \cos \\ \frac{\sqrt{3}}{r} \rightarrow \sin \end{cases} \rightarrow \cos 120^\circ = -\frac{1}{r}$

ب) $\sin 150^\circ \Rightarrow 150^\circ = \begin{cases} \frac{-\sqrt{3}}{r} \rightarrow \sin \\ \frac{1}{r} \rightarrow \cos \end{cases} \rightarrow \sin 150^\circ = \frac{1}{r}$

ج) $\cos \frac{5\pi}{4} \rightarrow \frac{1 \cdot \pi}{4} \rightarrow 1 \times 90^\circ = 90^\circ \rightarrow \begin{cases} \frac{1}{r} \rightarrow \cos \\ \frac{-\sqrt{2}}{r} \rightarrow \sin \end{cases} \rightarrow \cos \frac{5\pi}{4} = -\frac{1}{r}$

د) $\sin \frac{11\pi}{4} \rightarrow 11 \times \frac{\pi}{4} = 2\pi + \frac{3\pi}{4} \rightarrow \begin{cases} \frac{\sqrt{2}}{r} \rightarrow \sin \\ \frac{1}{r} \rightarrow \cos \end{cases} \rightarrow \sin \frac{11\pi}{4} = \frac{1}{r}$

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