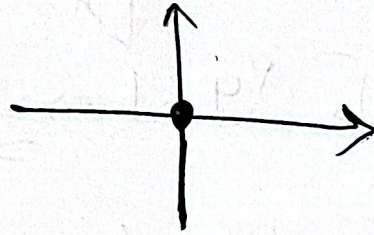
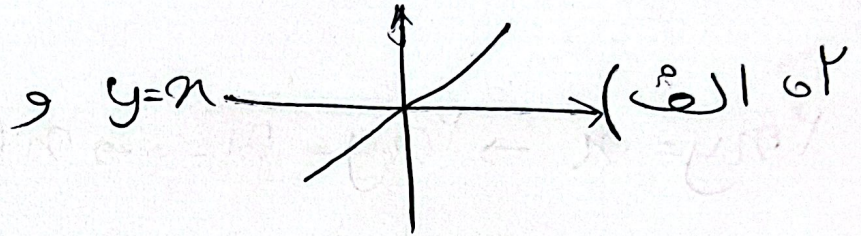
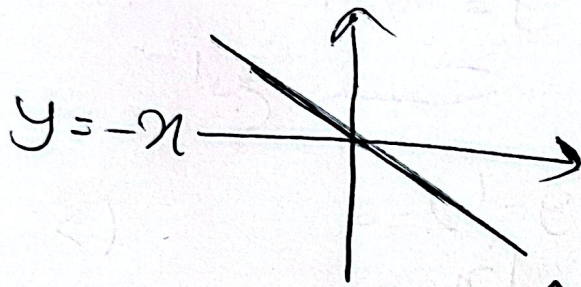


B $\mu >$ آرینکا اعتمادی مقدر

$$ka = a^2 + \mu \rightarrow a^2 - ka + \mu = 0$$

$$(a-1)(a-\mu) = 0$$

$$a < \mu$$



(یا) $|y| + \sqrt{x-1} = 0$
 حدود نا ممکنه پس
 $0 = y = x$

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

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

↓
 $y = 1 \pm \sqrt{x-2}$ تابع نیست

$$y^2 - y = \frac{x^2}{2} \xrightarrow{x=0} y^2 - y = 0$$

$$y(y^2 - 1) = 0$$

$$y(y-1)(y+1)(y^2+1) = 0$$

← تابع نیست
 $y = -1, 0, 1$

$$\sin^2 x + \cos^2 y = 1$$

(ج)

$$\sin^2 x = 1 - \cos^2 y \xrightarrow{n=0} \cos^2 y = 1$$

$$y = 0, 2\pi, \dots$$

تابع نیست

$$2ny = n \rightarrow 2ny - n = 0 \rightarrow n(2y - 1) = 0$$

(>

$$\downarrow n=0$$

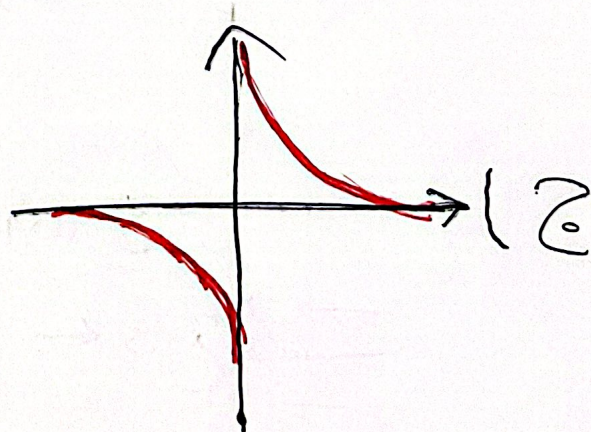
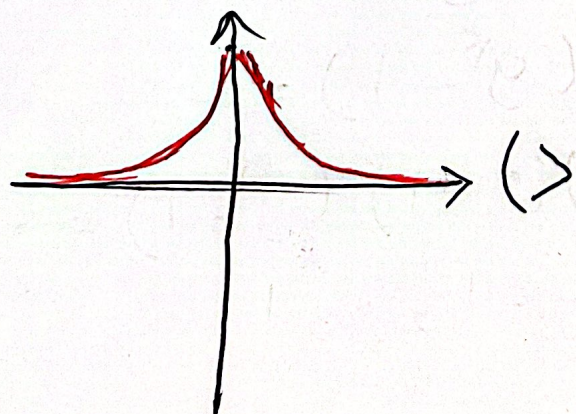
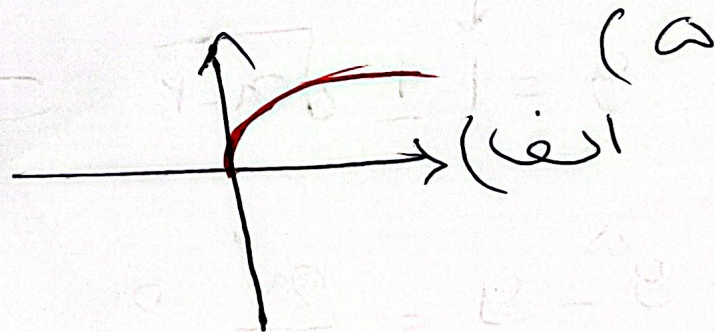
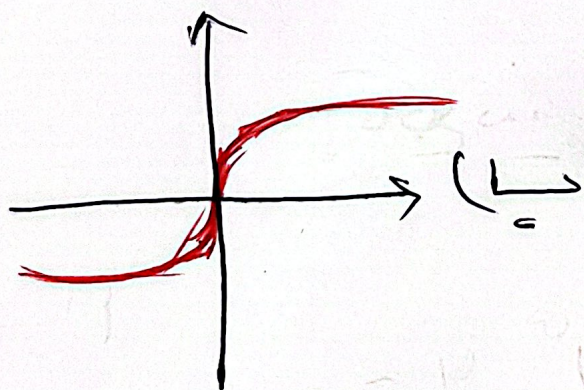
هر مقدار از $y \Rightarrow 2y - 1$ تابع نیست
صحیح است

(الف)

$$|y - 1| = \sqrt{2n - n^2} \rightarrow y = 1 \pm \sqrt{2n - n^2} \quad (K)$$

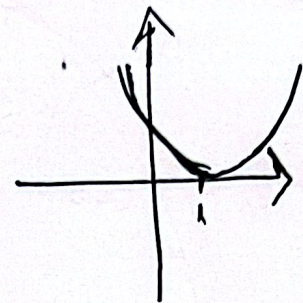
تابع نیست

$$y^5 = -2n \rightarrow y = \sqrt[5]{-2n} \quad \text{تابع است}$$

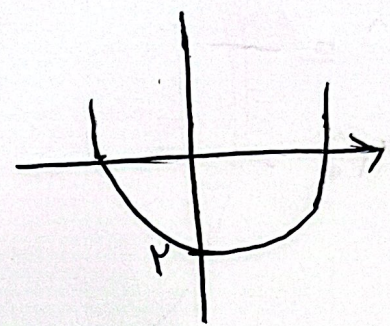


(٩)

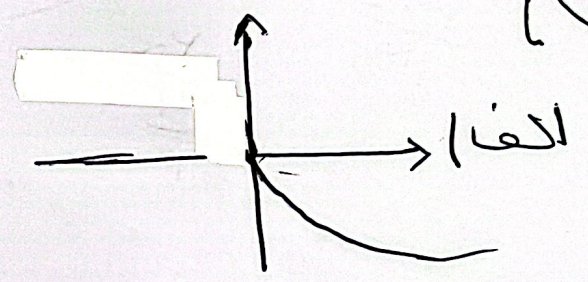
الف)



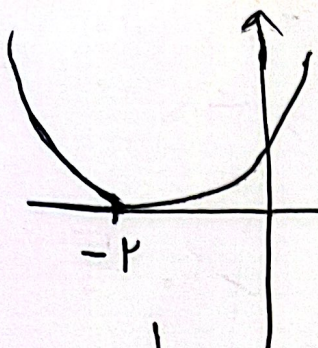
ج)



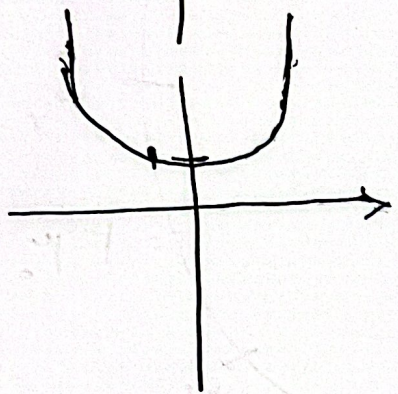
د)



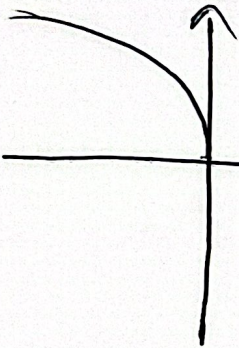
ب)



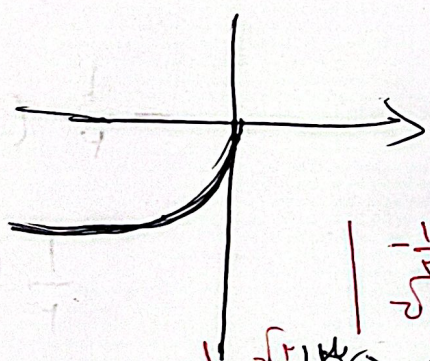
هـ)



ب)



ج)



د)

$$\frac{\sqrt{2}}{2} \mid \frac{\sqrt{2}}{2}$$

$$\frac{1}{\sqrt{2}} \mid \frac{1}{\sqrt{2}}$$

$$1 \mid 0$$

$$\frac{1}{\sqrt{2}} \mid \frac{1}{\sqrt{2}}$$

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$$1 \mid 0$$

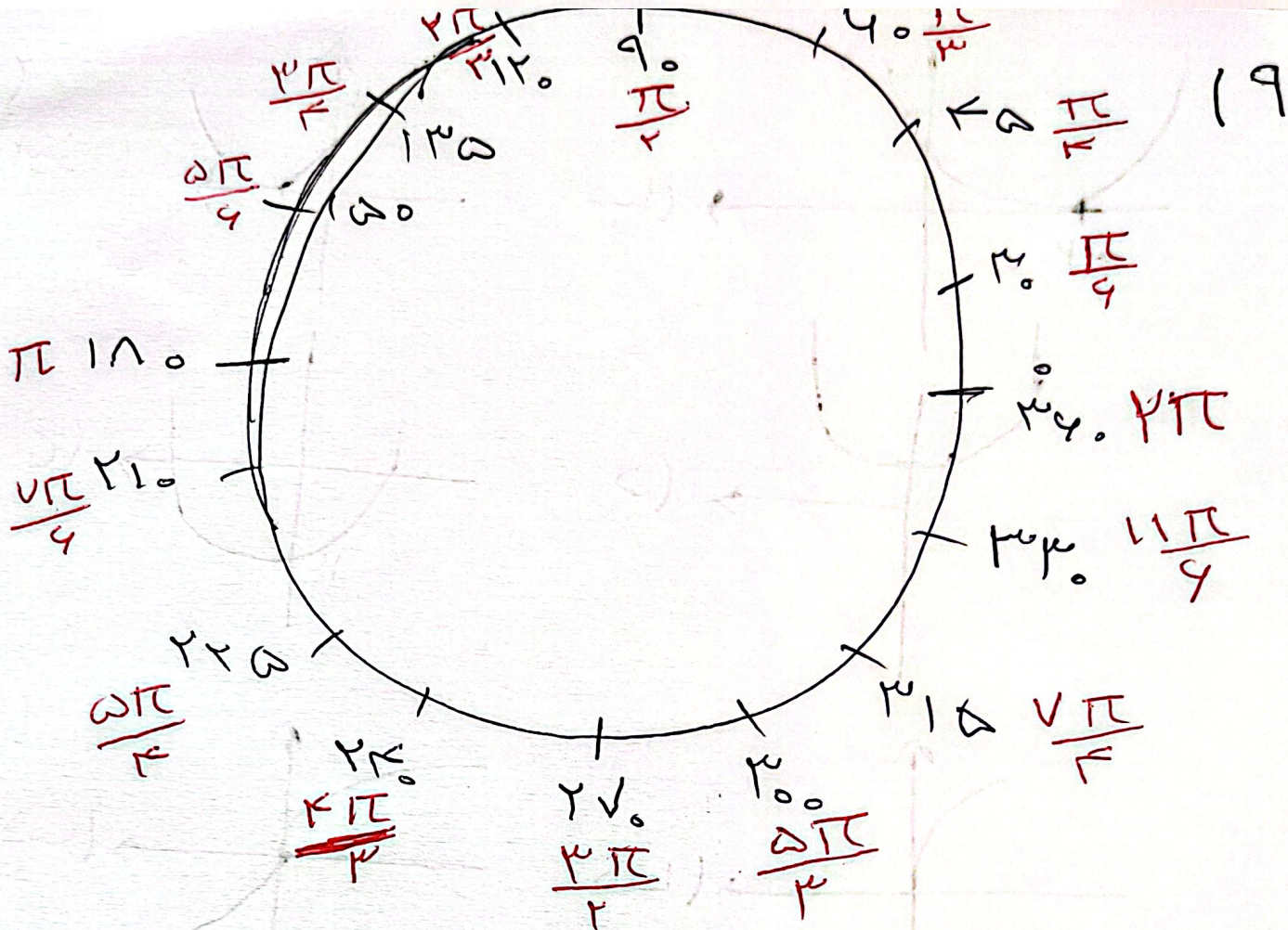
$$\frac{1}{\sqrt{2}} \mid \frac{1}{\sqrt{2}}$$

$$\frac{\sqrt{2}}{2} \mid \frac{\sqrt{2}}{2}$$

$$1 \mid 0$$

$$\frac{1}{\sqrt{2}} \mid \frac{1}{\sqrt{2}}$$

$$\frac{\sqrt{2}}{2} \mid \frac{\sqrt{2}}{2}$$



(10)

$$-\frac{1}{r}(\text{اف})$$

$$\frac{1}{r}(\text{ع})$$

$$-\frac{1}{r}(\text{ب})$$

$$\frac{1}{r}(\text{ا})$$