

1915

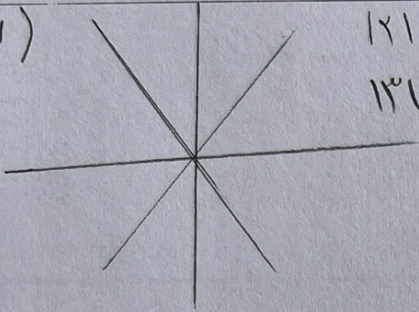
نام و نام خانوادگی نیلا سلیمان زاده پاسخنامه تشریحی تکلیف شماره ۲ ... کلاس ... هم زنگنه A

$$4a = a^2 + 3$$

$$a^2 - 4a + 3 = 0 \quad (a-1)(a-3) = 0 \quad \begin{cases} a=3 \\ a=1 \end{cases}$$

$$\left\{ (1, 4), (1, 4), (2, 3) \right\} \quad \left\{ (1, 4), (1, 4), (2, 9) \right\}$$

الف)



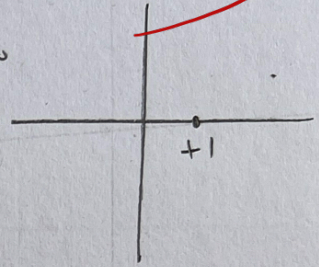
$$|x| = 1 \pm 21$$

$$|x| = 1 \pm 31$$

ب)

$$|y| + \sqrt{x-1} = 0$$

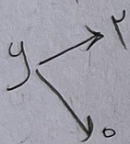
$$\begin{cases} 0 \\ 1 \end{cases}$$



الف) $|y-1| = \sqrt{x-2}$

$$x=3$$

$$|y-1| = 1$$



ب) $y^2 - y = \frac{x^2}{2}$

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

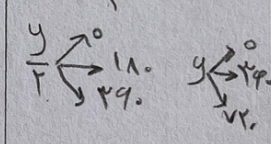
$$2y(y-1) = x^2$$

$$x=0 \rightarrow \begin{cases} 2y=0 \rightarrow y=0 \\ y-1=0 \rightarrow y=1 \end{cases}$$

ج) $x=0$

$$\cos^2 \frac{y}{2} = 1$$

$$\cos \frac{y}{2} = \pm 1$$



د) $x=0$

$$2x \times y = 0$$

$$y = 1, 2, 3, \dots$$

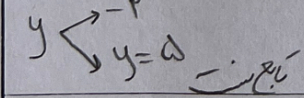
$$|y-1| = 4x - x^2$$

$$|y-1| = x(4-x)$$

$$x=2$$

$$|y-1| = 2(4-2)$$

$$|y-1| = 4$$

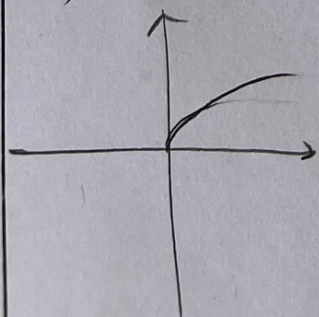


الف)

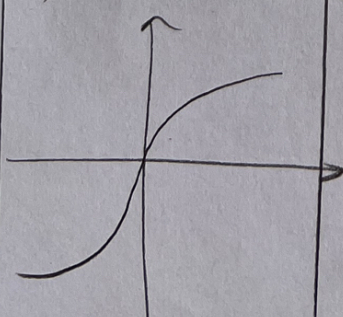
$$\begin{cases} y_1^2 + 3x_1 = 0 \\ y_2^2 + 3x_2 = 0 \end{cases} \rightarrow \begin{cases} x_1 = x_2 \\ y_1 = y_2 \end{cases}$$

تابع هست

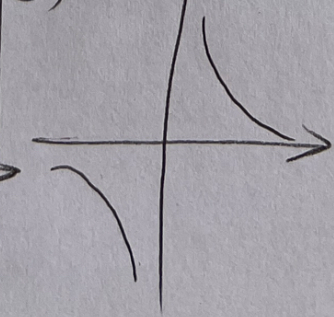
الف)



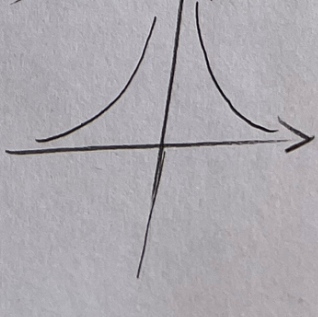
ب)

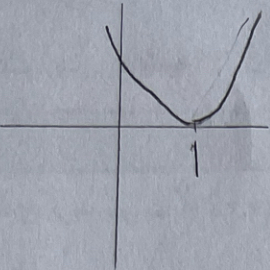
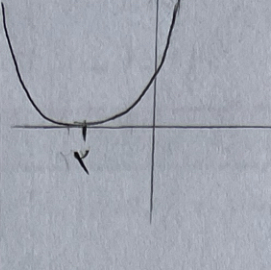
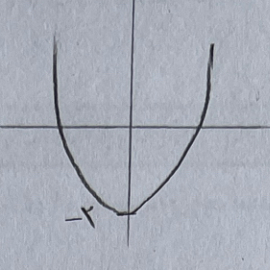
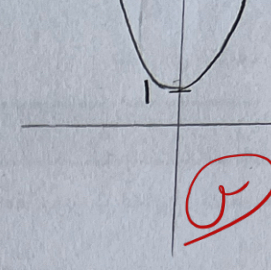
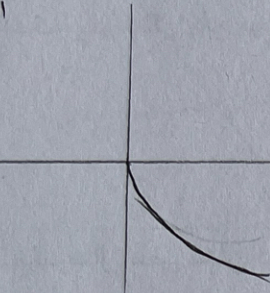
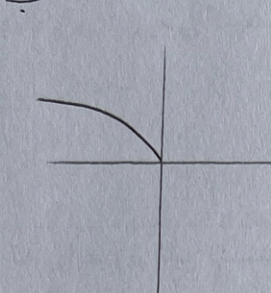
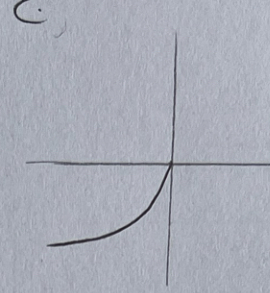
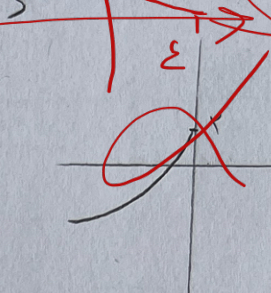
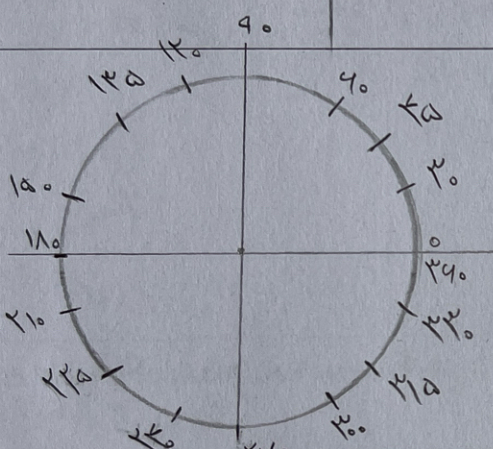
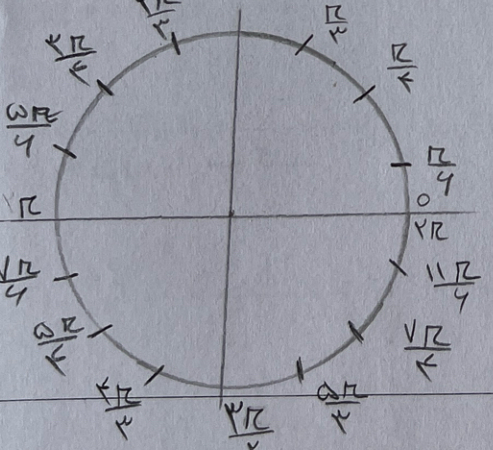


ج)



د)



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