

نام و نام خانوادگی نیلا سلیمان زار پاسخنامه تشریحی تکلیف شماره ۲ ... کلاس ۵م دبیرستان A

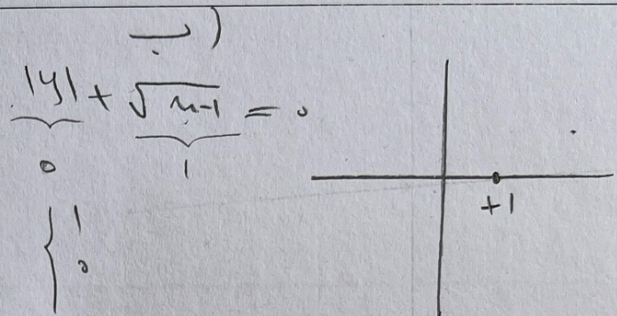
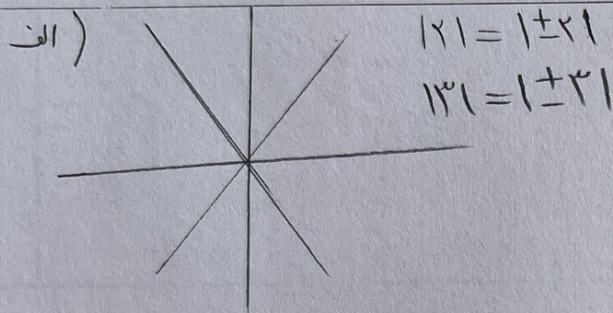
در این ها که اول عبارت سمت چپ یکسان هستند پس:

$$\begin{cases} a=3 \\ a=1 \end{cases}$$

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

$$a^2 - 4a + 3 = 0 \quad (a-1)(a-3) = 0$$

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



الف) $|y-1| = \sqrt{x-2}$
 $x=3$
 $|y-1| = 1$
 $y \rightarrow 2$
 $y \rightarrow 0$

ب) $y^2 - y = \frac{x^2}{2}$
 $2y(y-1) = x^2$
 $x=0 \rightarrow 2y=0 \rightarrow y=0$
 $x=0 \rightarrow y-1=0 \rightarrow y=1$
 $y=-1$

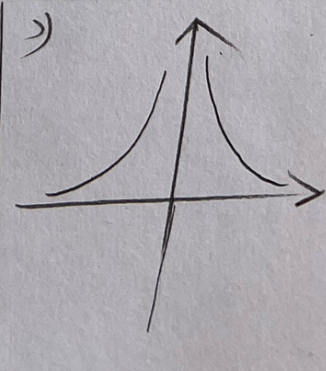
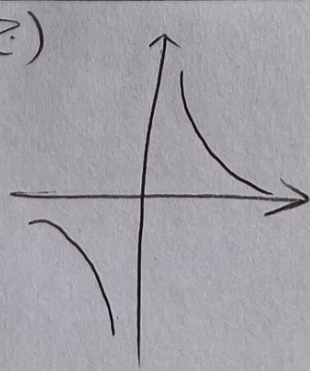
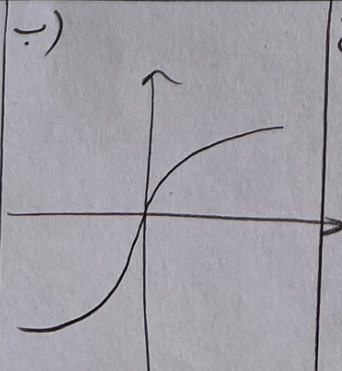
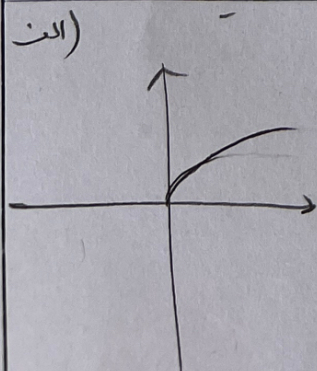
ج) $x=0$
 $\cos \frac{y}{2} = 1$
 $\cos \frac{y}{2} = \pm 1$
 $\frac{y}{2} \rightarrow 0, \pi, 2\pi, \dots$
 $y \rightarrow 0, 2\pi, 4\pi, \dots$

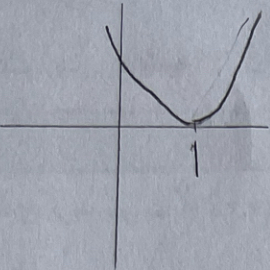
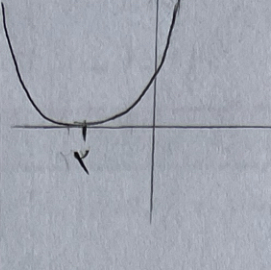
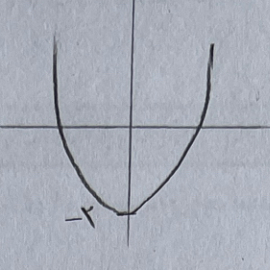
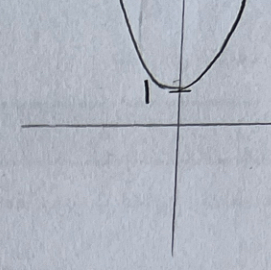
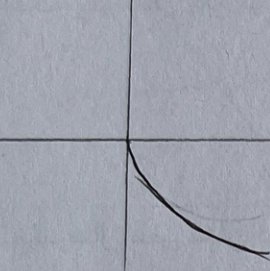
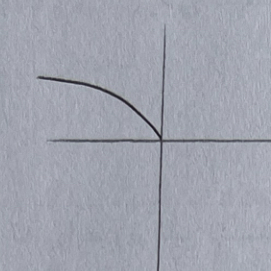
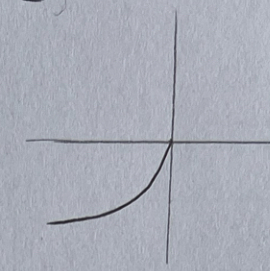
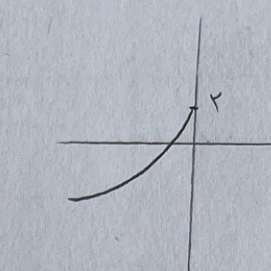
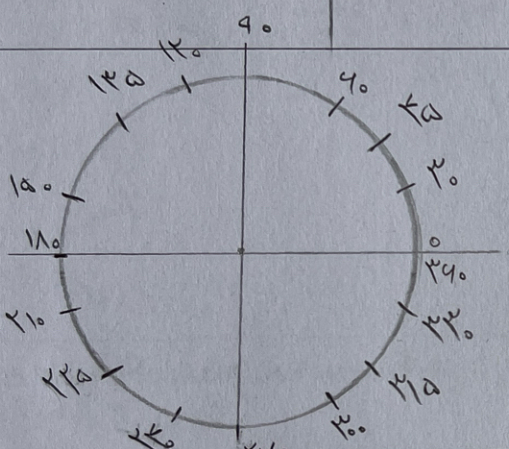
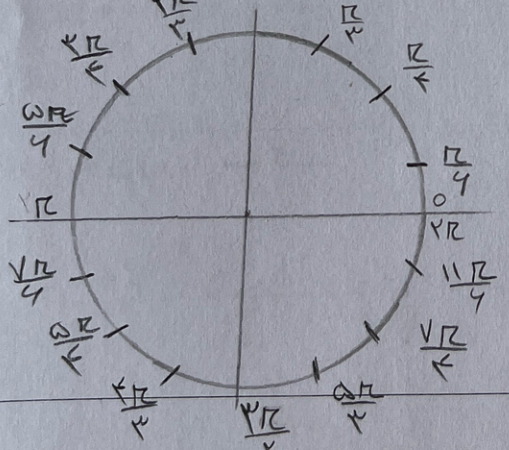
$x=0$
 $2x \times y = 0$
 $y = 1, 2, 3, \dots$

الف) $|y-1| = 4x - x^2$
 $|y-1| = x(4-x)$
 $x=2$
 $|y-1| = 2(4-2)$
 $|y-1| = 4$
 $y \rightarrow -3$
 $y \rightarrow 5$

الف) $y^2 + 3x_1 = 0$
 $y_2 + 3x_2 = 0$
 $x_1 = x_2$
 $y_1 = y_2 \rightarrow y_1 = y_2$

تابع هست



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الف) $\frac{1}{2}$ ب) $+\frac{1}{2}$ ج) $+\frac{1}{2}$ د) $-\frac{1}{2}$				١٠