

نام و نام خانوادگی: ایچیا ایو الیسنی پاسخنامه تشریحی تکلیف شماره ۲ ... کلاس: (پنجم سیمی) (خبر)

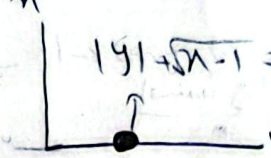
$$a^2 + 3 = 4a$$

$$a^2 - 4a + 3 = 0$$

$$(a-1)(a-3) \rightarrow \begin{cases} a=1 \\ a=3 \end{cases}$$

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تابع نیست $\rightarrow$  $\rightarrow$ $|y| = n \rightarrow$ اف

ب) $|y| + \sqrt{n-1} = 0 \rightarrow \begin{cases} n=1 \\ y=0 \end{cases}$  $|y| + \sqrt{n-1} = 0 \rightarrow$ تابع

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تابع نیست $|y-1| = \sqrt{n} \rightarrow |y-1| = 2 \rightarrow y-1 = \pm 2 \rightarrow y = 3, y = -1$ اف

ب) $y^3 - y = \frac{n^2}{2} \rightarrow y(y^2 - 1) = 0 \rightarrow y = 0, y = 1, y = -1$ تابع نیست

ج) $\sin^2 y + \cos^2 \frac{y}{2} = 1 \rightarrow \cos^2 \frac{y}{2} = 1 \rightarrow \cos \frac{y}{2} = \pm 1 \rightarrow \begin{cases} \cos \frac{y}{2} = 1 \rightarrow \frac{y}{2} = 0 \rightarrow y = 0 \\ \cos \frac{y}{2} = -1 \rightarrow \frac{y}{2} = \pi \rightarrow y = 2\pi \end{cases}$ تابع نیست

د) $2ny - n \xrightarrow{n=0} y = R$ تابع نیست

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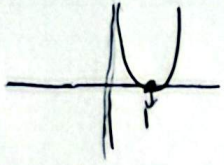
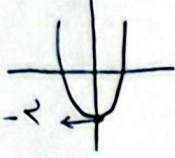
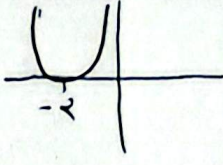
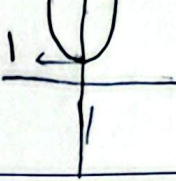
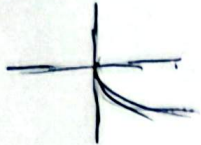
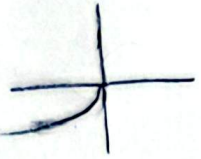
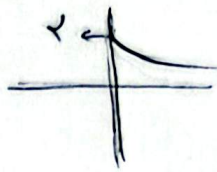
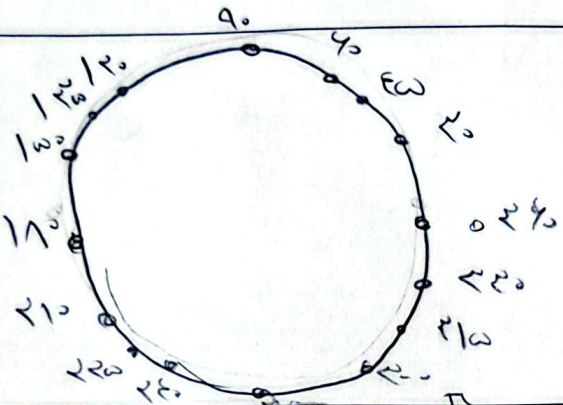
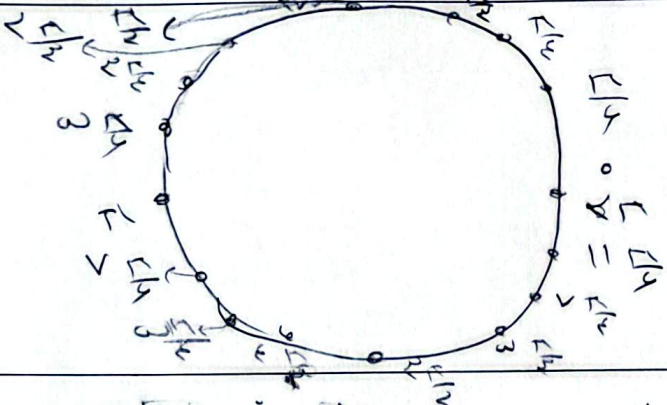
تابع نیست $n^2 + |y-1| = 4n \rightarrow |y-1| = 4 \rightarrow y-1 = \pm 4 \rightarrow y = 5, y = -3$ اف

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ب) $y^3 + 2n = 0 \rightarrow y^3 + 2n_1 = y^3 + 2n_2 \rightarrow y_1 = y_2 \rightarrow y_1 = y_2$ تابع است



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الف)  ج) 	ب)  د) 	٦
الف)  ج) 	ب)  د) 	٧
		٨
		٩
الف) $\cos 120^\circ \rightarrow -\frac{1}{2}$ ج) $\cos \frac{5\pi}{6} \rightarrow -\frac{\sqrt{3}}{2}$	ب) $\sin 120^\circ \rightarrow \frac{\sqrt{3}}{2}$ د) $\sin \frac{11\pi}{6} \rightarrow -\frac{\sqrt{3}}{2}$	١٠