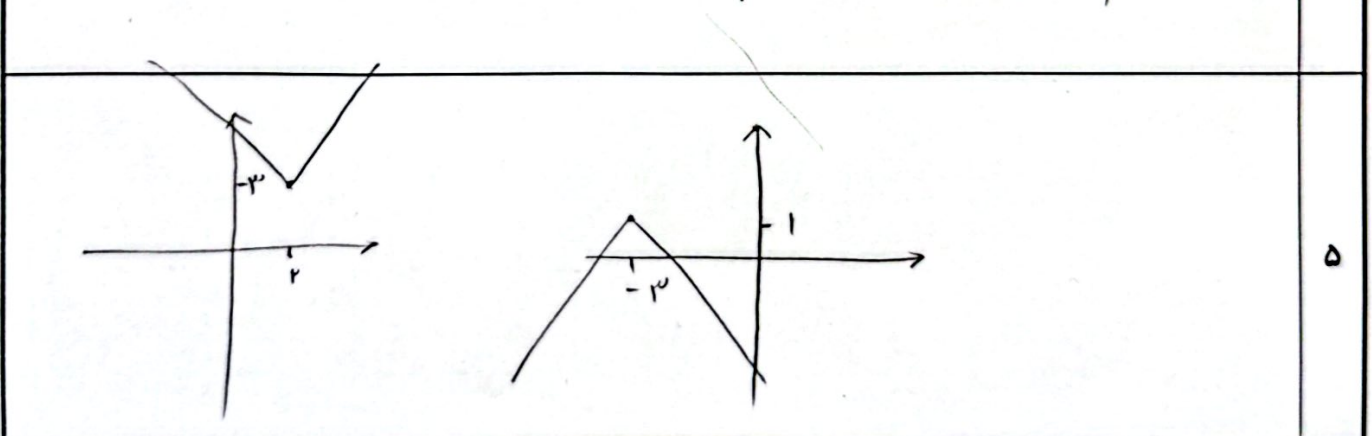
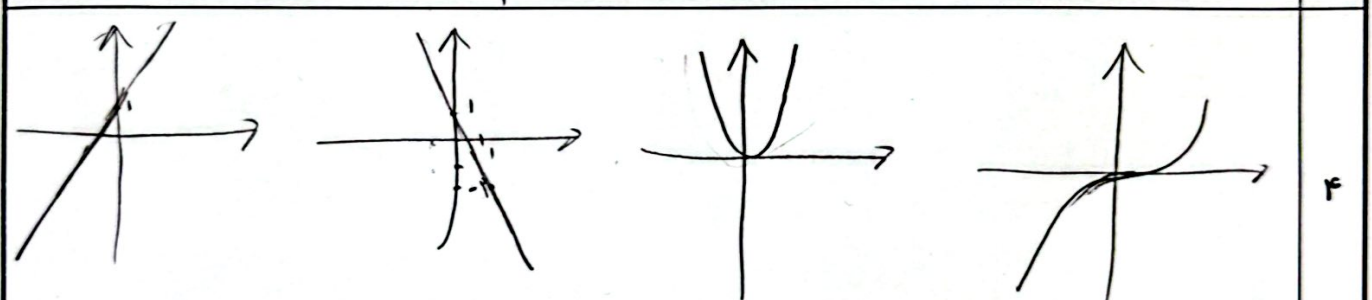
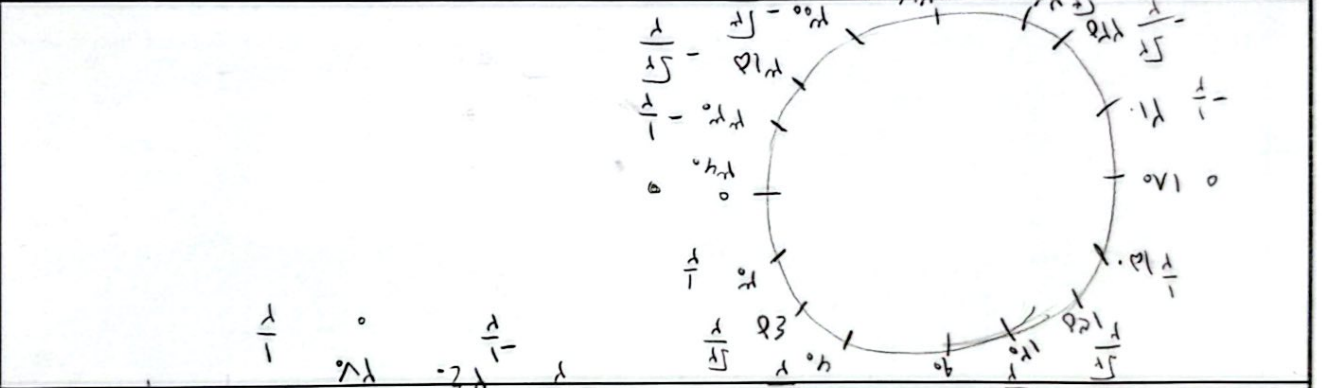
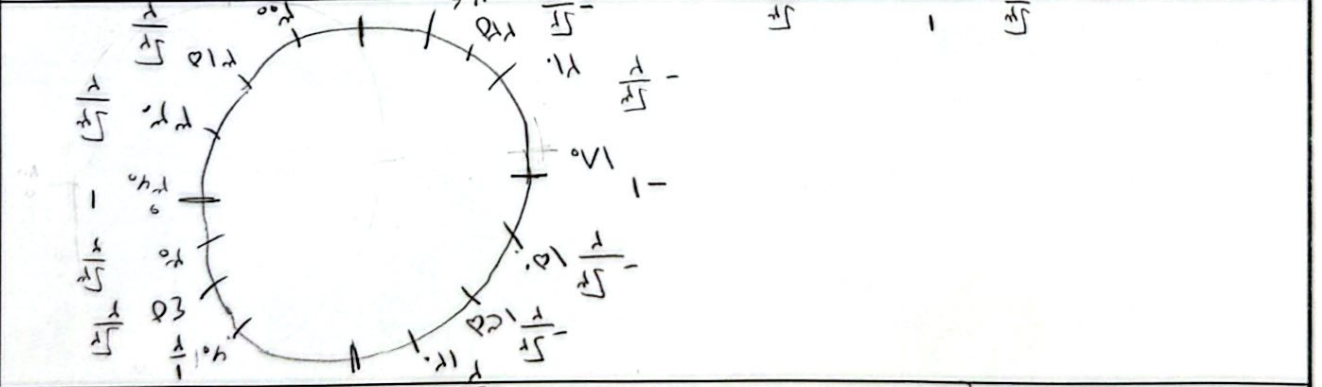


تابع است
 $y^3 - n = 2n^2 \Rightarrow y_1^3 = 2n_1^2 + 3n_1$
 $y_2^3 = 2n_2^2 + 3n_2$
 $n_1 = n_2 \Rightarrow y_1^3 = y_2^3 \Rightarrow y_1 = y_2$
 $|y| + n^2 = n + 3 \xrightarrow{n=0} |y| = 3 \Rightarrow y = \pm 3$ تابع نیست
 $\sqrt{n-6} + |y-2| = 0 \Rightarrow$ دو عدد منفی منفی می شوند $\Rightarrow |y-2| = 0 \Rightarrow y = 2$ تابع است
 $n = \cos y \xrightarrow{n=1} \cos y = 1 \Rightarrow y = 0, 2\pi, \dots \{2k\pi\}$ تابع نیست

تابع است $y = k$ $|y| = |3| \Rightarrow y = 1$
 $y = aq + b$ $y = 2q + b \rightarrow |1| = 2 = 2 + b \Rightarrow b = -1$
 $y = 2n$

$y = aq + b \rightarrow$ همان $\rightarrow y = n \Rightarrow a = 1, b = 0$
 $1 + 2x_0 = 1$
 $\min \Rightarrow a > 0 \rightarrow 1 = (-1)^2 + (-1 \times -1) + b \Rightarrow b = -1$
 $\frac{b}{2a} = 2 \Rightarrow \frac{n}{2} = 2 \Rightarrow \frac{a}{2} = 2 \Rightarrow a = -1$
 $a + 2b = -1 + -1 \times 2 = -3$



1.	$\cos \frac{11\pi}{4} = \cos 315^\circ = \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{4}} = \frac{1}{2}$ $\sin \frac{11\pi}{4} = \sin 315^\circ = -\frac{1}{\sqrt{2}} = -\frac{1}{\sqrt{4}} = -\frac{1}{2}$
2.	
3.	
4.	$a + a^r \neq 0 \Rightarrow a \neq 0$ $a - r \geq 0 \Rightarrow a \geq r \cup a - s \neq 0 \Rightarrow a \neq s$ $a^r + 1 \neq 0 \Rightarrow a^r \neq -1$ $a - r \geq 0 \Rightarrow a \geq r \cup a - r \geq 0 \Rightarrow a \geq r$ $D_f = [r, \infty) - \{r\}$ $D_f = [r, \infty)$ $D_f = [r, \infty)$
5.	$a^r - 3a \neq 0 \Rightarrow a \neq 0$ $\Delta = (1 - \sqrt{r}) - r \times 1 \times 1 = -1 \Rightarrow \Delta = -1$ $\Delta = (1 - \sqrt{r}) - r \times 1 \times 1 = -1 \Rightarrow \Delta = -1$ $D_f = [r, \infty)$ $D_f = [r, \infty)$ $D_f = [r, \infty)$