

۱۷، ۱۸

① $f = \{(1, a), (1, a^2 + 3), (2, 4a)\}$

$a = a^2 + 3$

$a^2 - a + 3 = 0$

$(a-1)(a-3) = 0$

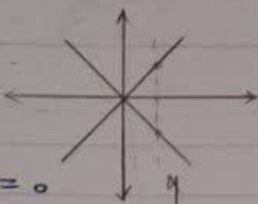
$a = 1$ یا $a = 3 \Rightarrow a$ مقبول

$a = \{(1, 1), (1, 4), (2, 4)\}$

$a = \{(1, 1), (2, 4)\}$

✓

② الف) $|y| = |n|$

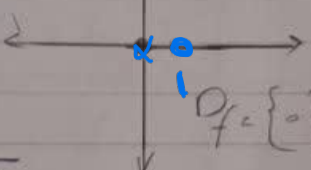


$\Rightarrow$ تابع نیست

ب) $|y| + \sqrt{n-1} = 0$

$|y| = -\sqrt{n-1}$

فقط می تواند
تقریبی
باشد



$f = \{0\}$

$\Rightarrow$ تابع هست

③ الف) $|y-1| = \sqrt{n-2}$

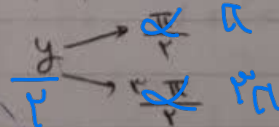
$\Rightarrow n=4 \Rightarrow |y-1| = 2 \Rightarrow y-1 = \pm 2$

ب) $y^a - y = \frac{n^2}{y}$ $x=0 \Rightarrow y^a = y$



2.) $\sin^2 n + \cos^2 \frac{y}{y} = 1$

$n = \frac{\pi}{y} \Rightarrow 1 + \cos^2 \frac{y}{y} = 1$



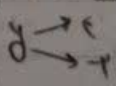
۱) $2ny = n \Rightarrow n=0 \rightarrow y \rightarrow$ هر چیزی
می تواند باشد

④ الف) $n^2 + |y-1| = 4n$

$n=1 \Rightarrow |y-1| = 4-1=3$

$y-1 = \pm 3$

ب) $y^a + 3n = 0$



تابع نیست

$\begin{cases} y_1^a = -3n_1 \\ y_2^a = -3n_2 \end{cases}$

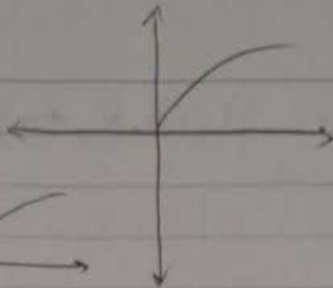
✓

$n_1 = n_2$

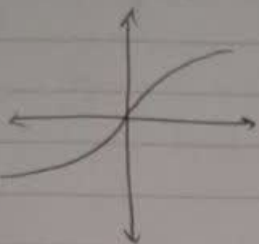
$\Rightarrow y_1^a = y_2^a \Rightarrow y_1 = y_2$

تابع

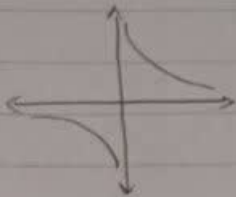
Ⓐ ا) $y = \sqrt[n]{x}$



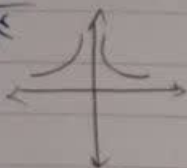
ب) $y = \sqrt[n]{x}$



ج) $y = \frac{1}{x^n}$



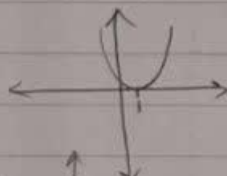
د) $y = \frac{1}{x^n}$



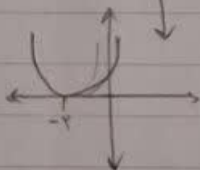
Ⓟ ✓

Ⓕ

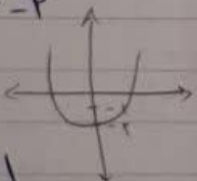
ا) $y = (x-1)^2$



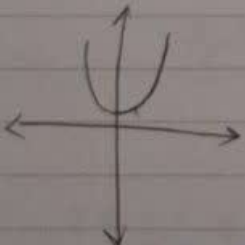
ب) $y = (x+2)^2$



ج) $y = x^2 - 2$



د) $y = x^2 + 1$



Ⓟ ✓

Ⓖ

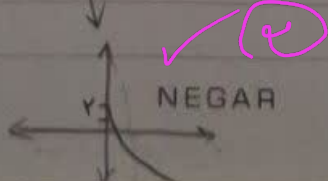
ا) $y = -\sqrt[n]{x}$



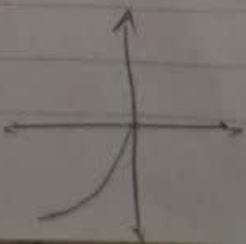
ب) $y = \sqrt{-x}$



ج) $y = -\sqrt{-x}$



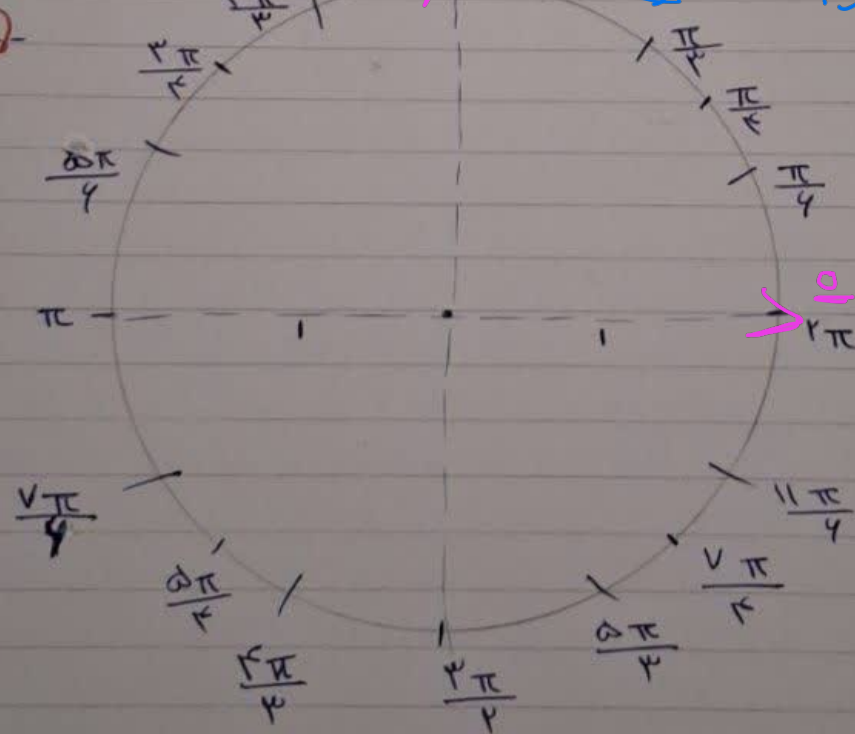
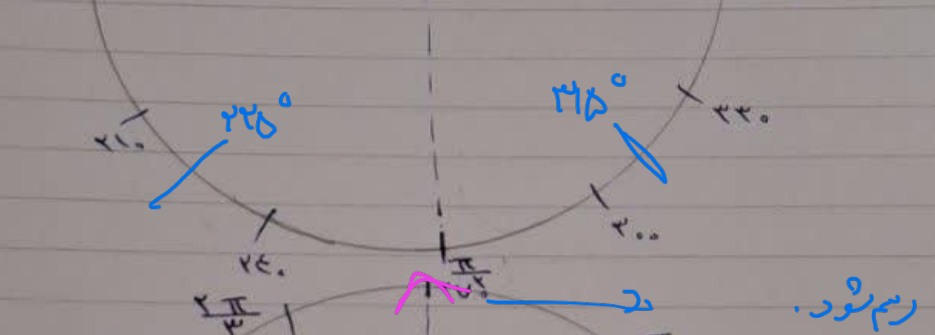
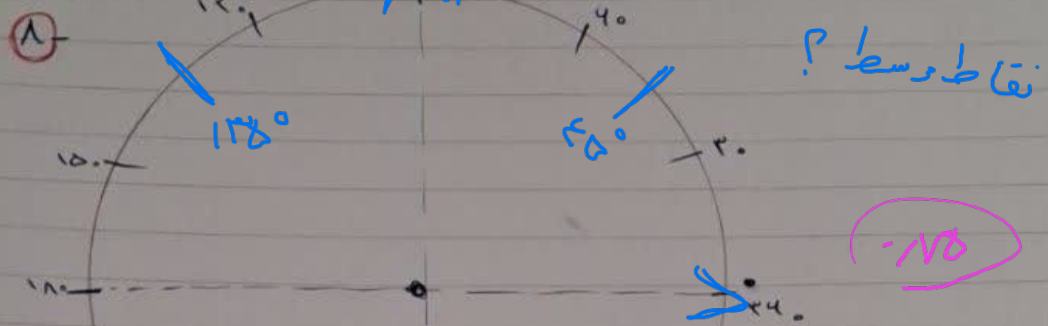
د) $y = -\sqrt{x} + 2$



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NEGAT

Year: Month: Date: ()



الف) $\cos 120^\circ = -\frac{1}{2}$

ب) $\sin 135^\circ = \frac{1}{\sqrt{2}}$

ج) $\cos \frac{5\pi}{3} = \frac{1}{2}$

د) $\sin \frac{11\pi}{4} = -\frac{1}{\sqrt{2}}$

NEGAR