

۱۵۱۷۵

Subject:

Date:

به علت نزاع بین اسم خیره سنی صفر لحاظ می شود. (سوال با آنچند مسئله)

الف) $y^2 = 2a^2 + m$ $y = \sqrt{2a^2 + m}$ ادامه ✓

پس صفر!

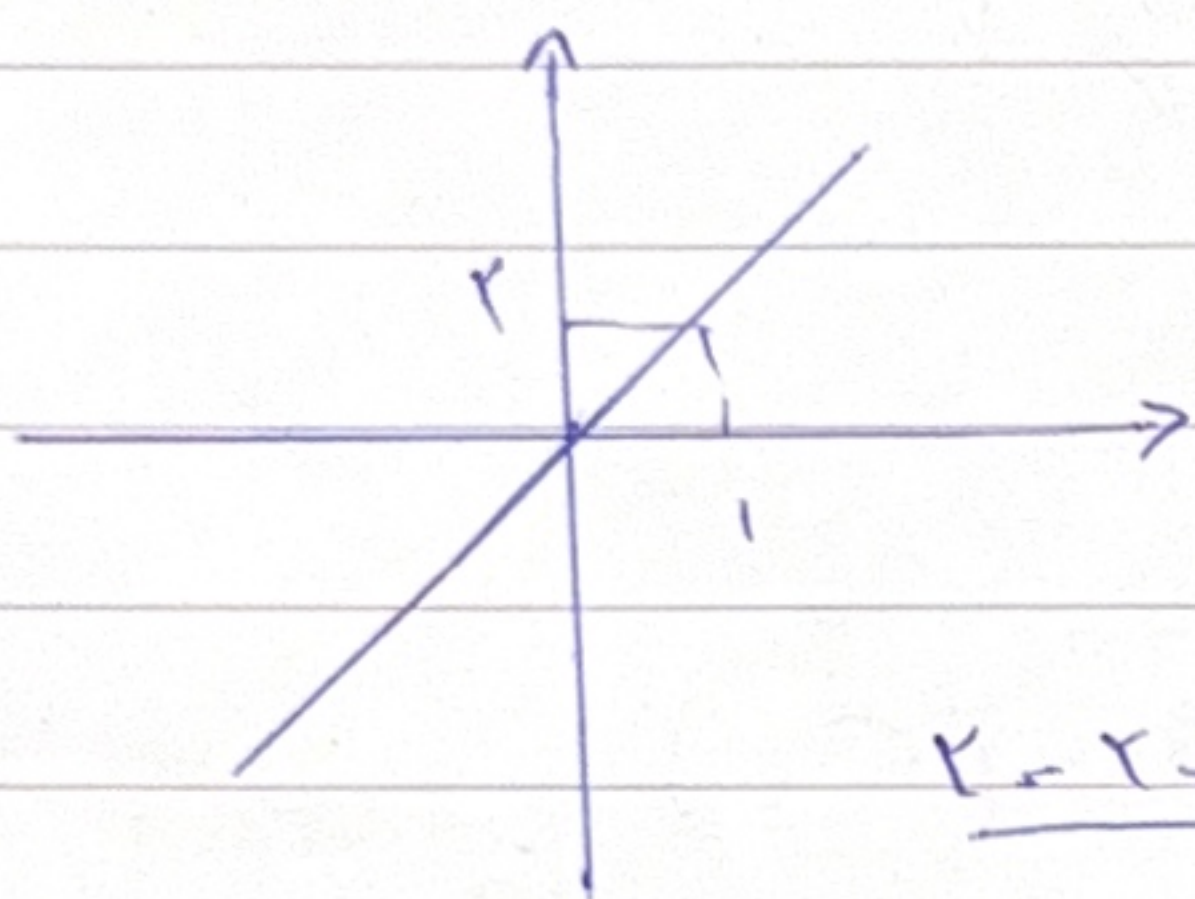
ب) $|y| = m + 3 - n^2$ $y = \pm (m + 3 - n^2)$ ✗

حاصلت بزرگ

(۱.۵)

✓ $\sqrt{n-4} + |y-2| = 0$ $\sqrt{n-4} = 0 \Rightarrow n = 4$ $|y-2| = 0 \Rightarrow y = 2$ ✓

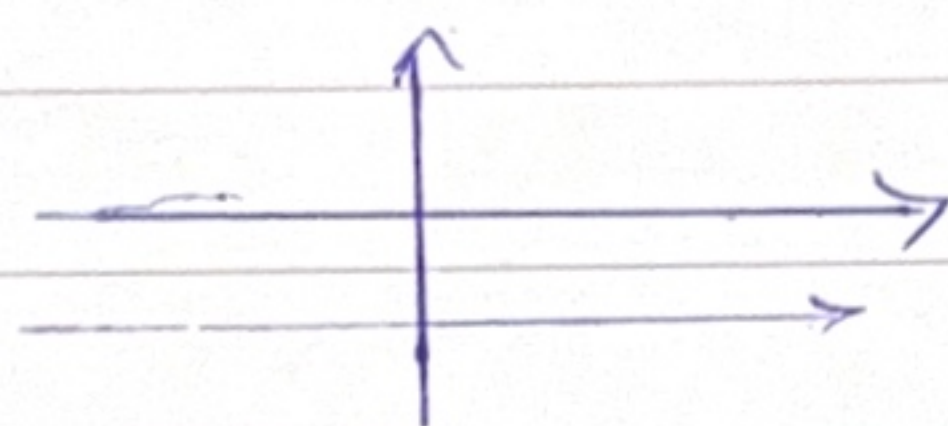
✓ $\cos y = 0$ $y = \frac{\pi}{2}, \frac{3\pi}{2}$ ✗



$x = x + 0$

$y = am + b$

$y = km + b$ $y = \frac{m}{k}$



$y = k$
 $y = 1$

(۲)

(۱.۵)

$y = m$

$y = am + b \Rightarrow b = 1$ $a = 0$

$a + 2b = 1 + 2 + 0 = 3$

(۳)

(۲)

$\frac{-b}{2a} = \frac{-a}{2} \Rightarrow$

$a = -4$

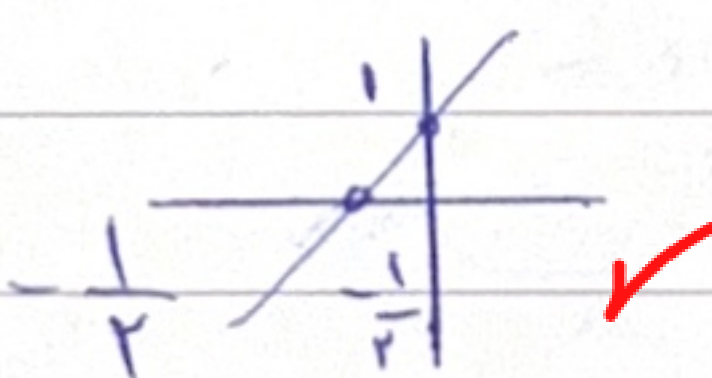
$4 = 1 + b \Rightarrow$

$b = 3$

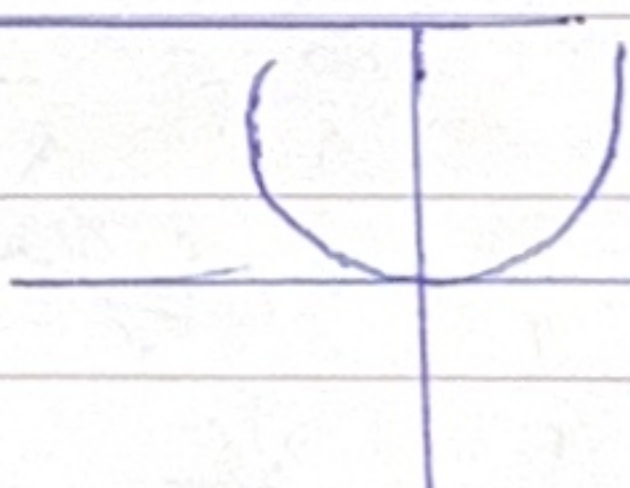
$a + 2b = -4 + 2(3) = 2$ ✓

الف) $y = 2m + 1$

$0 = 2m + 1 - n = -\frac{1}{2}$ ✓

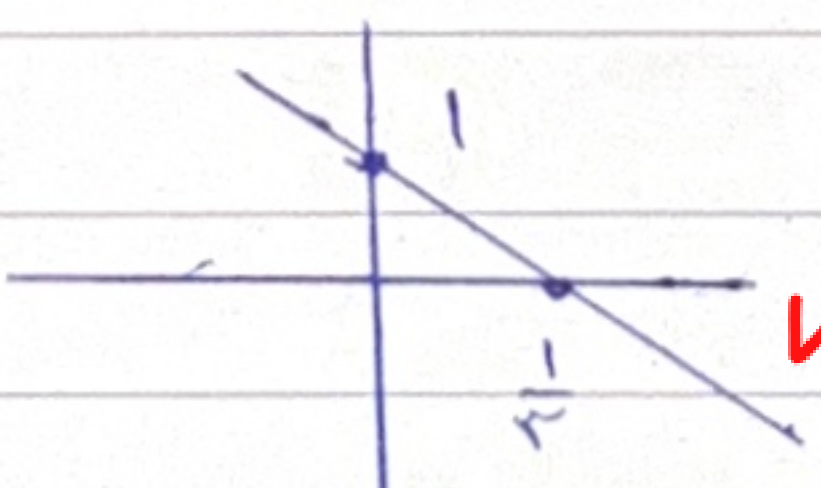


ج) $y = n^2$

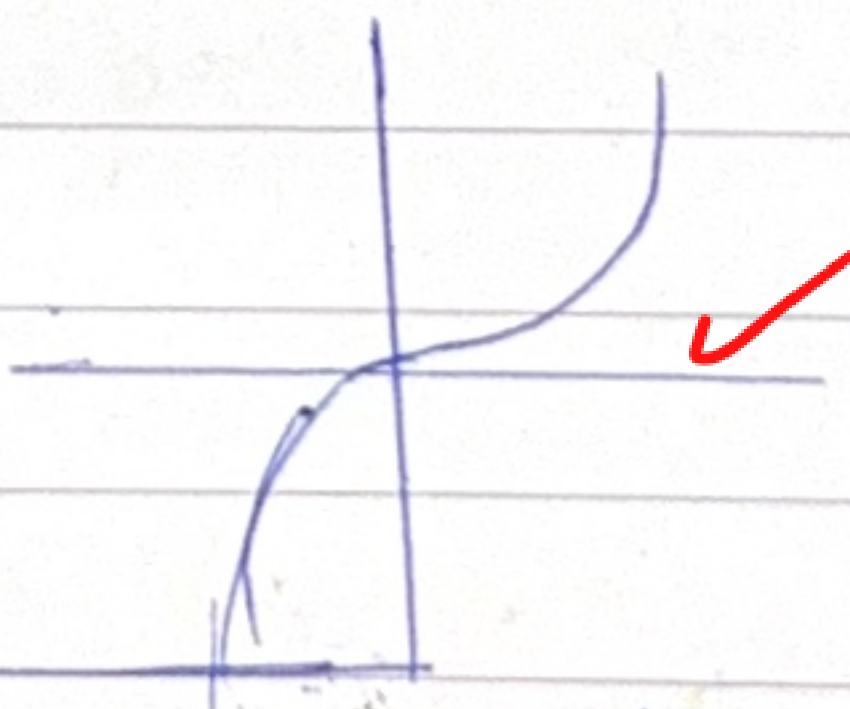


(۲)

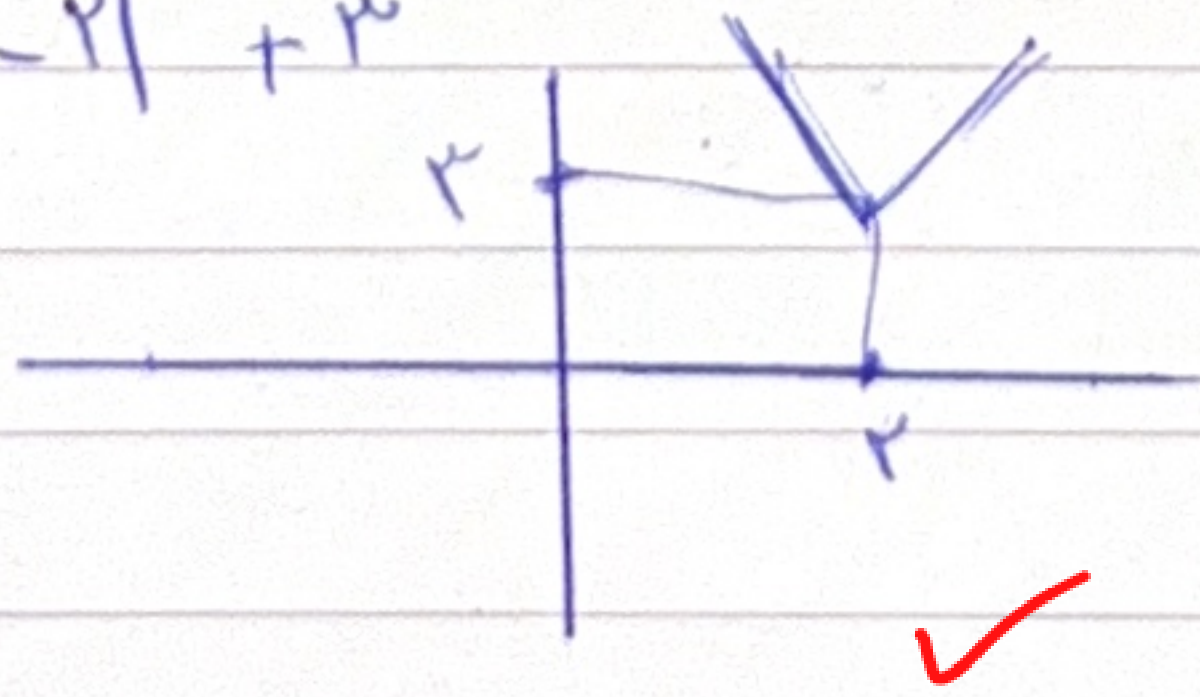
ب) $y = -2m + 1$
 $m = \frac{1}{2}$



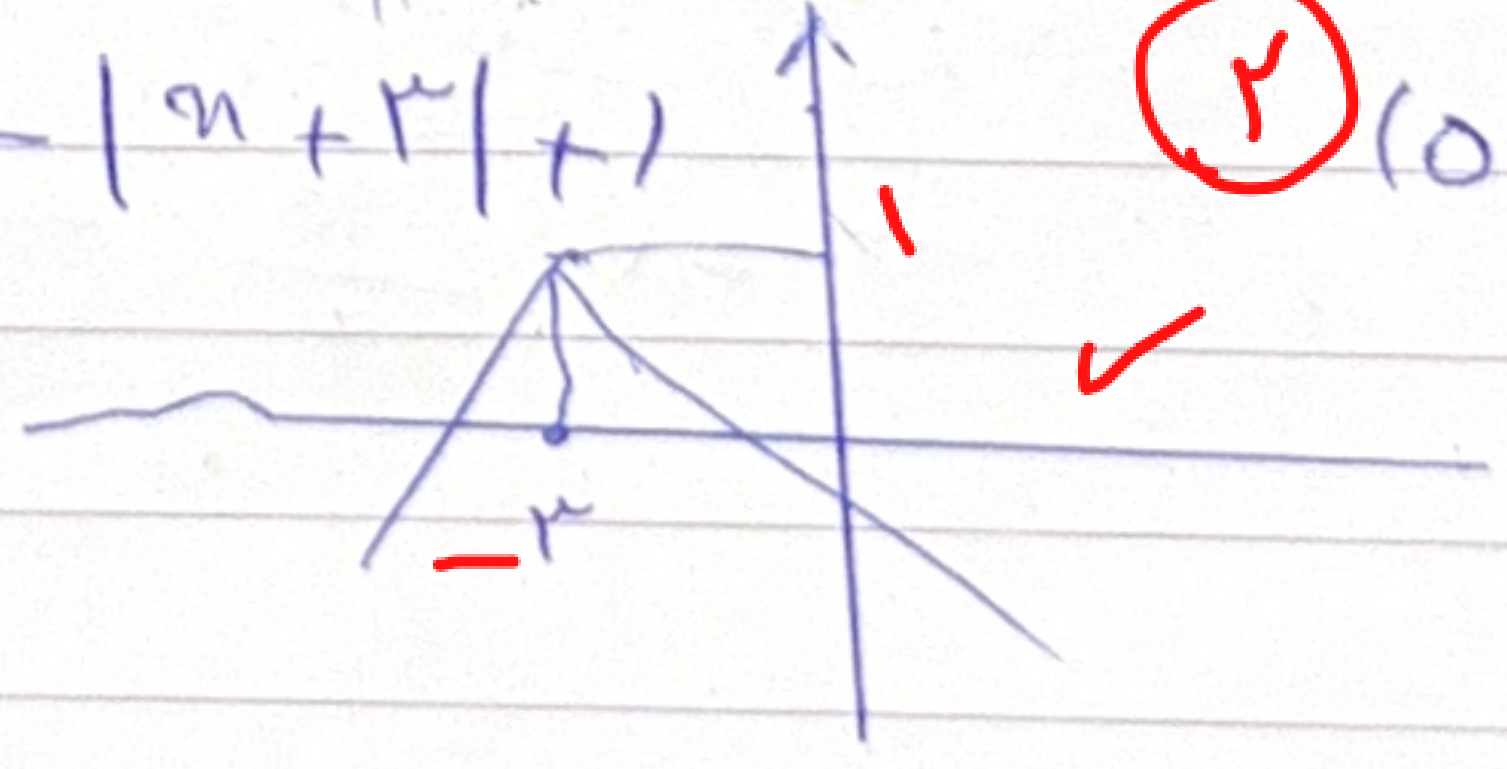
د) $y = n^0$



الف) $y = |n-2| + 3$



ب) $y = -|n+3| + 1$



(۲)

Subject:

Date:

روز

ا) $n^r - f m \neq 0$ $m(m-f) \neq 0$ $n \neq 0$ $D, R = [f, \dots]$ $D_y = \mathbb{R} - \{0, f\}$ $n \neq f$

✓) $n^r - \sqrt{m+14} = 0$ $\Delta_s (2\sqrt{m+14})^r - f \times 1 \times 14 \leq 18$ $D, \mathbb{R}$ (1, 15)

✓) $n^r + m + f = 0$ $\Delta_s 1 - 14 \leq 18$ $D, \mathbb{R}$

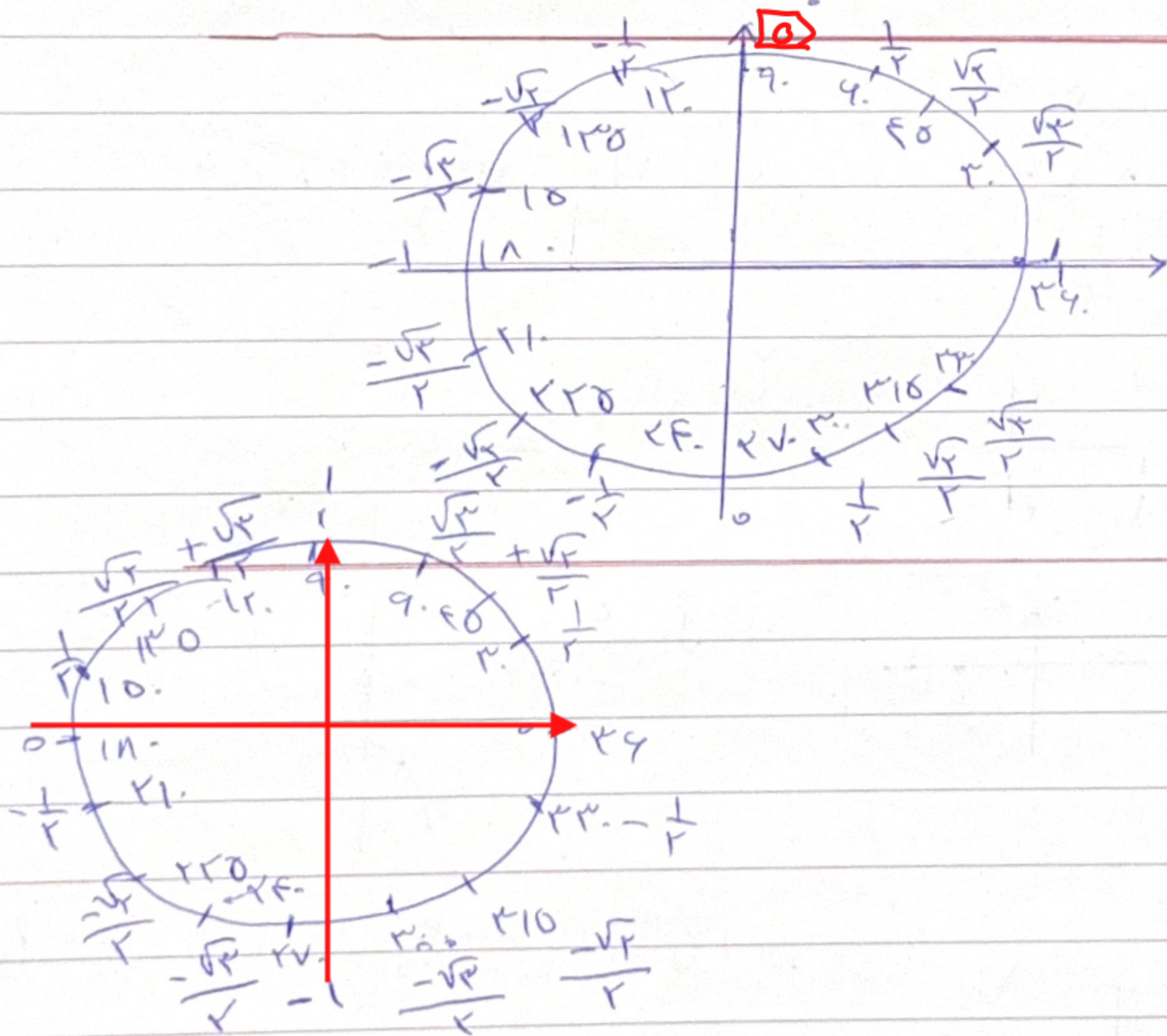
✓) $n^r - f m^r \neq 0$ $n^r (n^r - f) = n^r (n^r - f)(m + f)$ $n \neq 0$ $n \neq -f$ $D_y = \mathbb{R} - \{-f, 0, f\}$

ا) $q - n \geq 0 \Rightarrow n \leq q$ $n - r \geq 0 \Rightarrow n \geq r \Rightarrow D_y = [r, q]$ (1, 16)

✓) $n^r + 1 \neq 0 \Rightarrow D, \mathbb{R}$

✓) $n - r \geq 0 \Rightarrow n \geq r$ $n - f \neq 0 \Leftrightarrow n \neq f$ $D = [r, \infty) - \{f\}$

✓) $|n| + m^r \neq 0$ $|n| + m^r = 0$ $D, \mathbb{R} - \{0\}$



$$y^3 - x = 2x^2 \quad \text{الف}$$

۱-

$$\left. \begin{array}{l} y_1^3 = x_1 + 2x_1^2 \\ y_2^3 = x_2 + 2x_2^2 \end{array} \right\} \xrightarrow{x_1 = x_2} \begin{array}{l} y_1^3 = x + 2x^2 \\ y_2^3 = x + 2x^2 \end{array} \rightarrow y_1^3 = y_2^3 \Rightarrow \underline{\underline{y_1 = y_2}} \quad \text{تابع است.}$$

$$|y| + x^2 = x + 3 \quad \text{ب}$$

از مثال فقط یک محلول داریم

$$x=1 \rightarrow |y|=3 \Rightarrow y = \pm \underline{\underline{3}} \quad \text{تابع نیست!}$$