

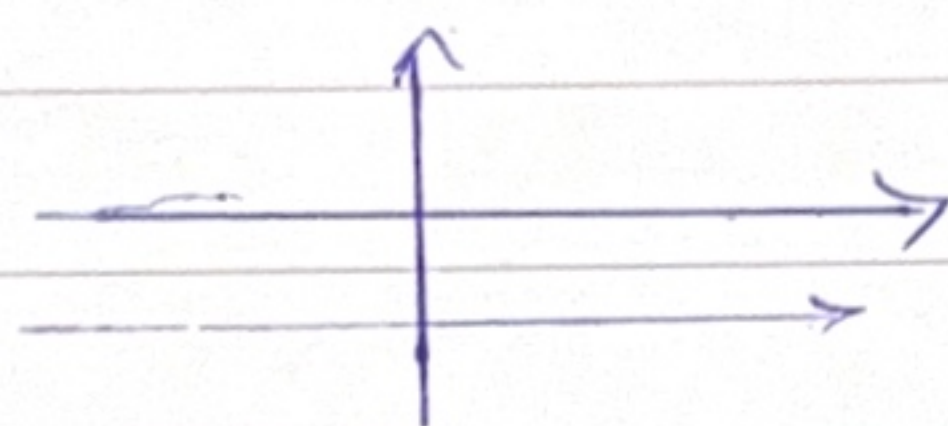
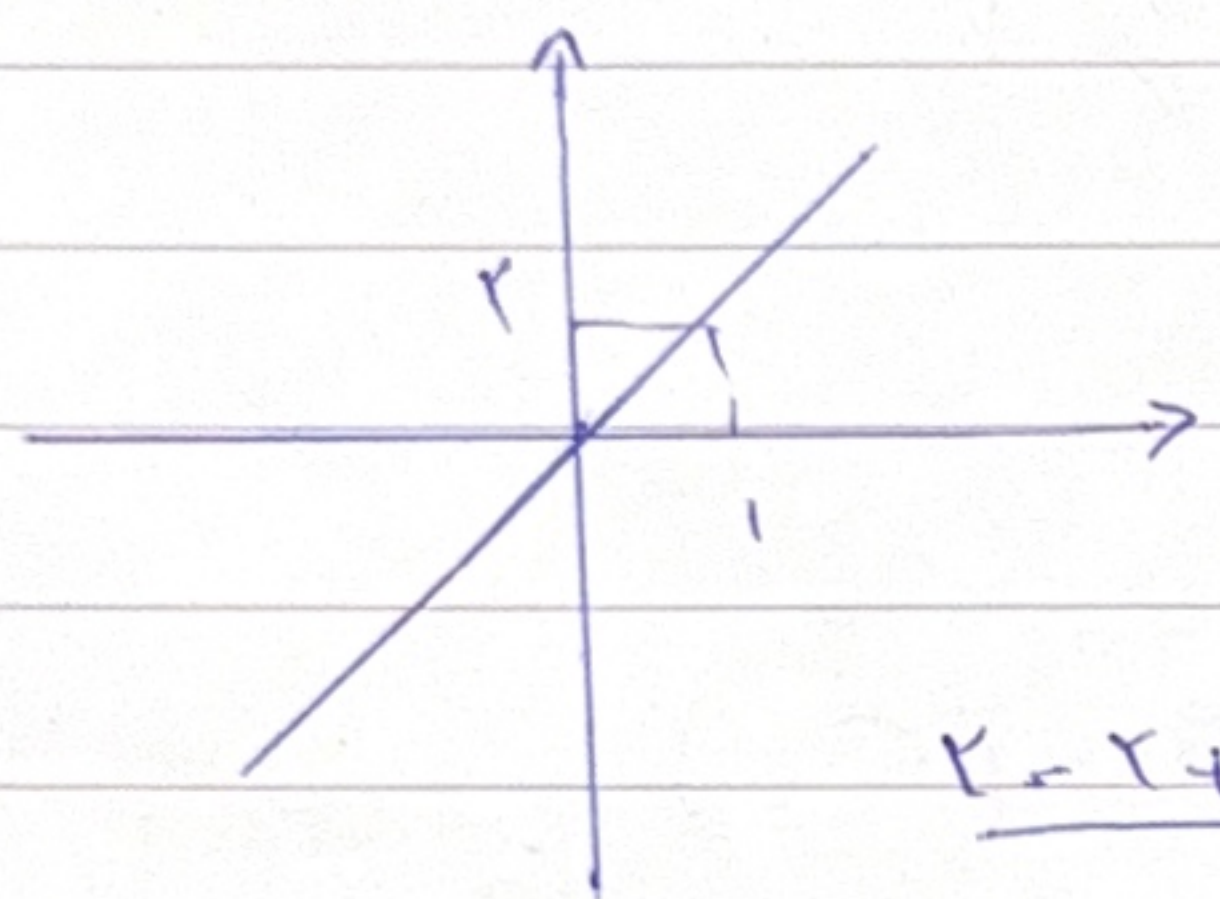
الف) $y^r = ra^r + m$ $y = \sqrt[r]{ra^r + m}$ ✓

(1)

ب) $|y| = n + r - n^r$ $y = \pm (n + r - n^r)$ ✗

ج) $\sqrt{n-r} + |y-r| \leq \sqrt{n-r}, 0 \leq r \leq n$ $|y-r| \leq 0$ ✓

د) $\cos y \leq 0$ $y \leq \frac{\pi}{2}, \frac{3\pi}{2}$ ✗



$$y = k$$

(2)

$$y = am + b$$

$$y = rm + b$$

$$y = m$$

$$y = am + b$$

$$b \leq 1 \quad a \leq 0$$

$$a + rb \leq 1 + r + 0 \leq 1$$

(3)

$$-\frac{b}{ra} \leq -\frac{a}{r} \leq r$$

$$a \leq -r$$

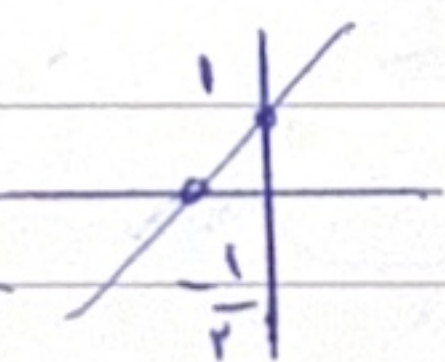
$$r - 1 + b \leq 1$$

$$b \leq 0$$

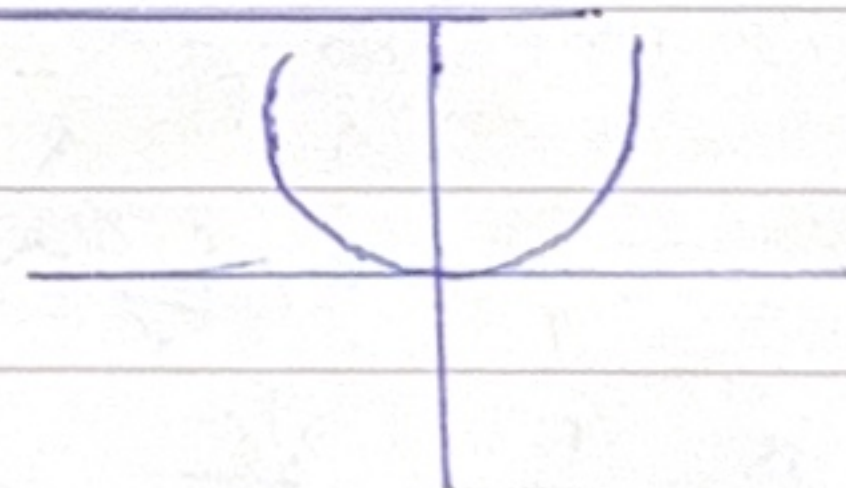
$$a + rb \leq -r + r(0) \leq -r$$

الف) $y \leq rm + 1$

$$0 \leq rm + 1 - m \leq -\frac{1}{r}$$

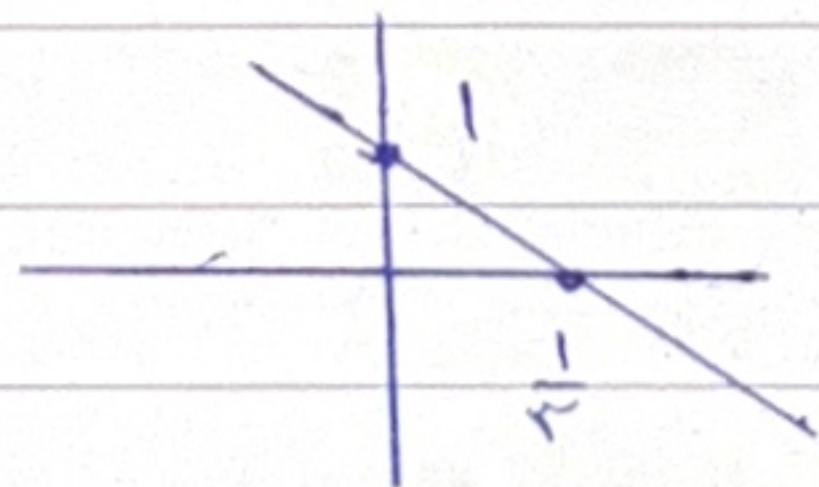


ج) $y \leq n^r$

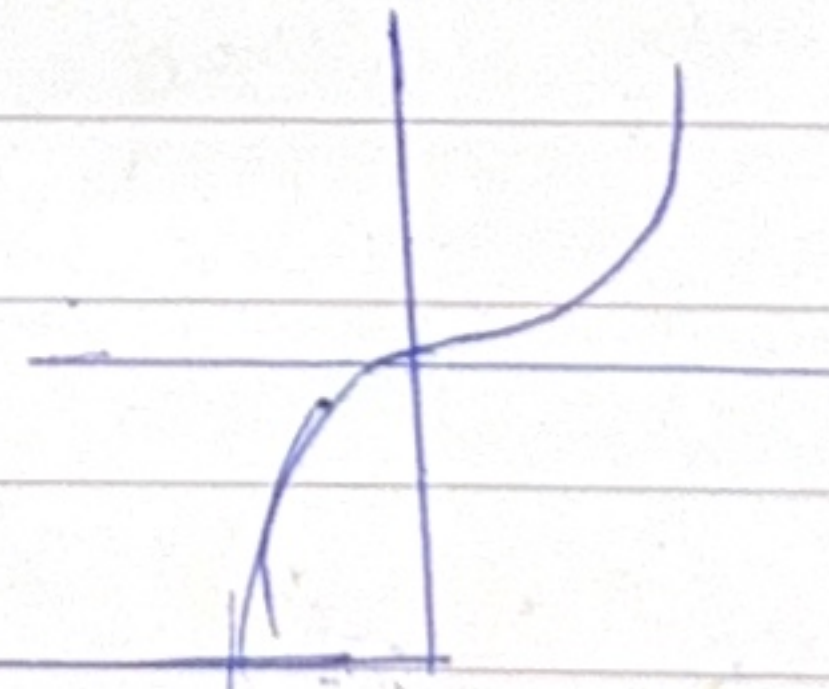


(4)

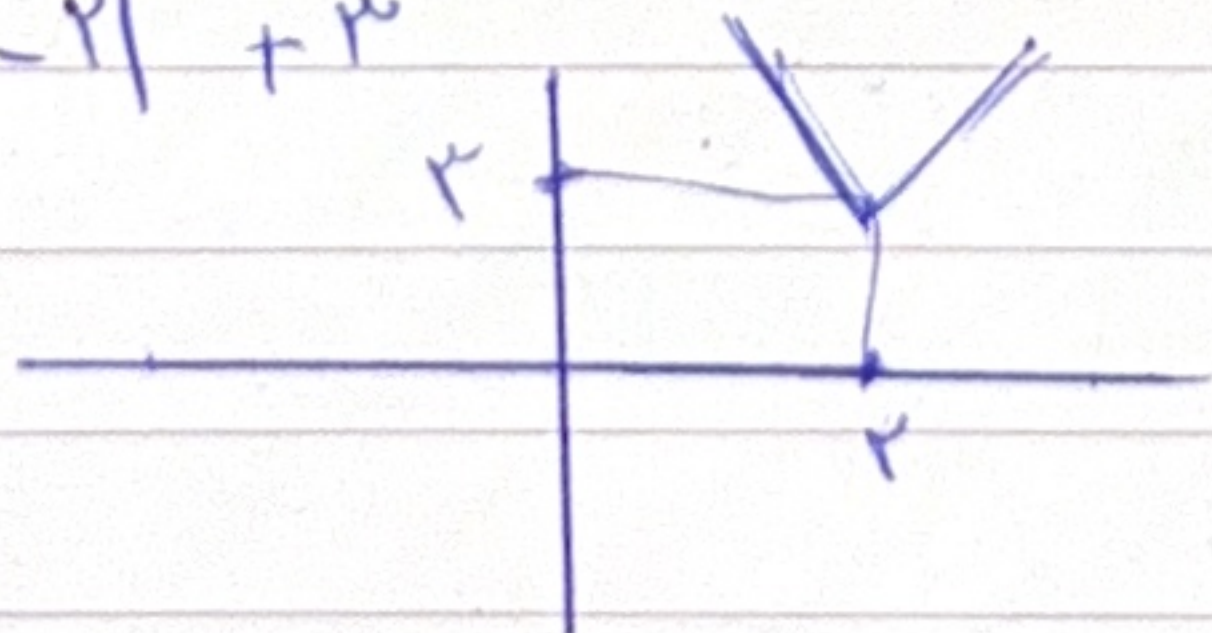
ب) $y \leq -rm + 1$
 $m \leq \frac{1}{r}$



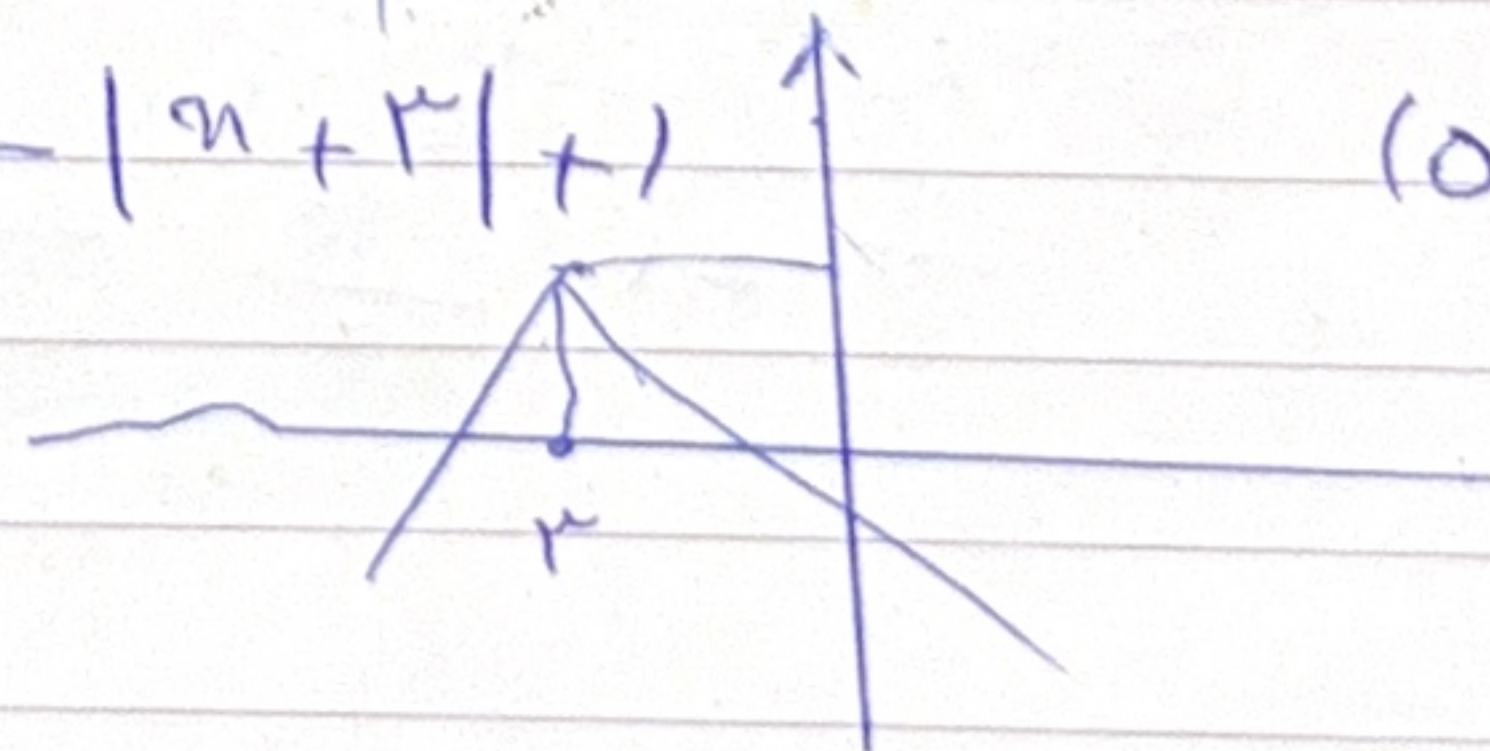
د) $y \leq n^0$



الف) $y = |n - r| + r$



ب) $y = -|n + r| + 1$



(5)

Subject:

Date:

ا) $n^r - f n \neq 0$ $n(n-f) \neq 0$ $n \neq 0$ $n \neq f$ $D, R = [f, \cdot]$

ب) $n^r - \sqrt{n+14} = 0$ $\Delta = (14)^2 - 4 \times 1 \times 14 = 18$ D, R

ج) $n^r + n + f = 0$ $\Delta = 1 - 14 = -13$ D, R

د) $n^r - f n^r \neq 0$ $n^r(n^r - f) = n^r(n - f)(n + f)$ $n \neq 0$ $n \neq -f$ $n \neq f$

ا) $q - n \geq 0 \Rightarrow n \leq q$ $n - r \geq 0 \Rightarrow n \geq r$

ب) $n^r + 1 \neq 0 \Rightarrow D, R$

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

د) $|n| + n^r \neq 0$ $|n| + \frac{n^r}{n} = 0$ $D, R = [0]$

