

$$P_g = \{(-1, 2)(0, 1)(2, 0)(1, 4)\}$$

$$P_f = \sqrt[3]{1 - x^3} \rightarrow 1 - x^3 \geq 0$$

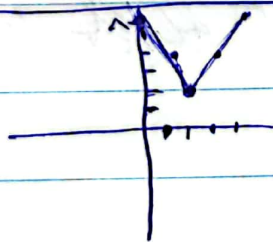
$$1 \geq x^3 \rightarrow x \leq 1$$

$$P_g - P_f = \{(-1, 2)(0, 1)(1, 4)\}$$

$$\text{جواب: } 2 + 1 + 4 = 13$$

$$fR = [1, +\infty) \cup gR = (-\infty, 4]$$

$$|x| \geq 0$$



$$x=1 \rightarrow y=1$$

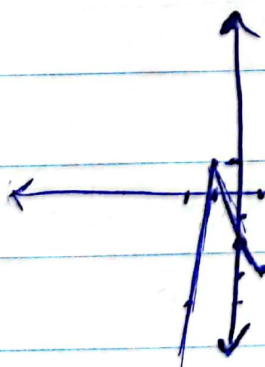
$$x=2 \rightarrow y=2$$

$$x=2 \rightarrow y=2$$

$$x=0 \rightarrow y=0$$

$$x=4 \rightarrow y=4$$

$$\min R = 2$$

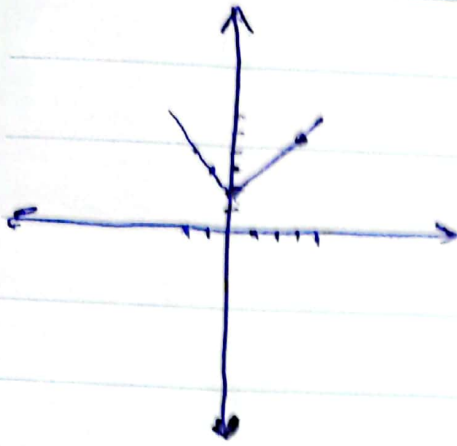


x	y
0	-2
-1	1
1	-2
-2	-2

$$R = [1, +\infty)$$

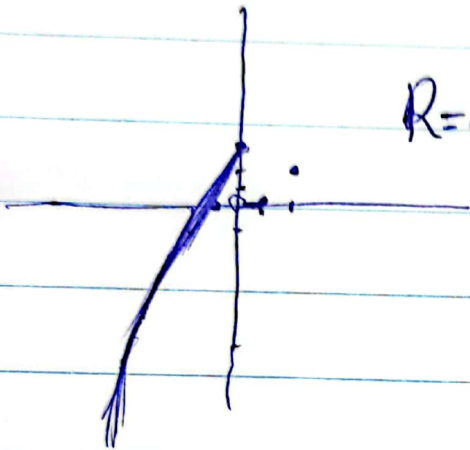
Date _____

Subject _____



$$\left. \begin{array}{l} 1 \rightarrow a \\ 0 \rightarrow r \\ -1 \rightarrow s \\ -2 \rightarrow e \end{array} \right\} \begin{array}{l} \text{با توجه به علامت} \\ \text{مقادیر} \end{array}$$

$$R = [r_0 + a)$$



$$R = (-\infty, r] \checkmark$$

$$\text{مثال} = r + s \geq 0$$

$$r \geq -s$$

$$s \geq -\frac{r}{2}$$

$$b = -\frac{r}{2}$$

$$\max R \Rightarrow r + s = 0$$

$$s = -\frac{r}{2} \Rightarrow y = -\frac{r}{2} + \frac{r}{2} = 0$$

$$\max R = \sqrt{0} \Rightarrow r + s = 0$$

$$s = -\frac{r}{2} \rightarrow y = ax + b$$

$$ab = \frac{r}{2} - \frac{r}{2} = -9$$

$$a + b = 1$$

$$\boxed{a = r}$$