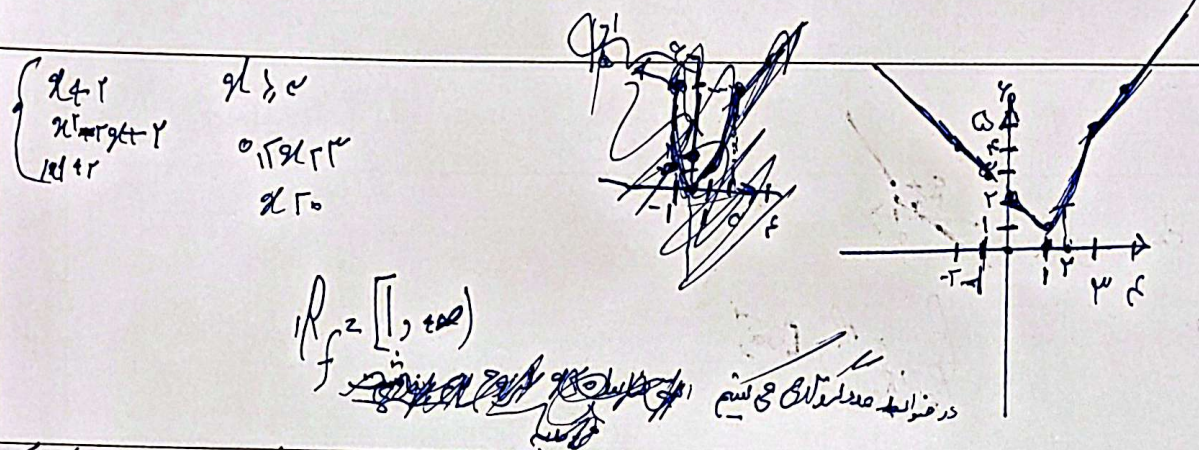


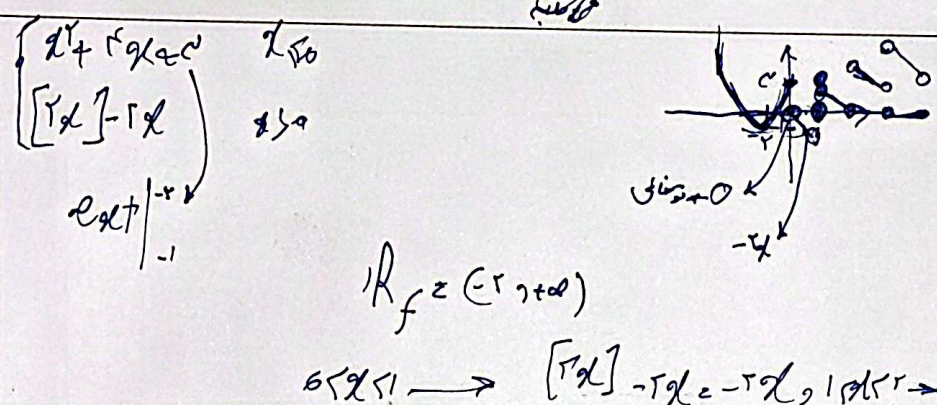
$$y = \frac{x^2 + 2x + 4}{x+1} \rightarrow \frac{x^2 + 2x + 4}{x+1} = \frac{(x+1)(x+3) + 1}{x+1} = x+3 + \frac{1}{x+1}$$

مذکورہ بالا

6



7



8

$R_f = [0, +\infty) \Rightarrow \sqrt{x+4} \Rightarrow x+4 \geq 0 \Rightarrow x \geq -4 \Rightarrow x \in [-4, +\infty)$
 $R_f = (-\infty, 0] \Rightarrow x+1 \sqrt{x+4} = 0 \Rightarrow x+1 = 0, x < 4$
 کمینه برای بیشترین مقدار منبسط

$abc = -4$

9

10