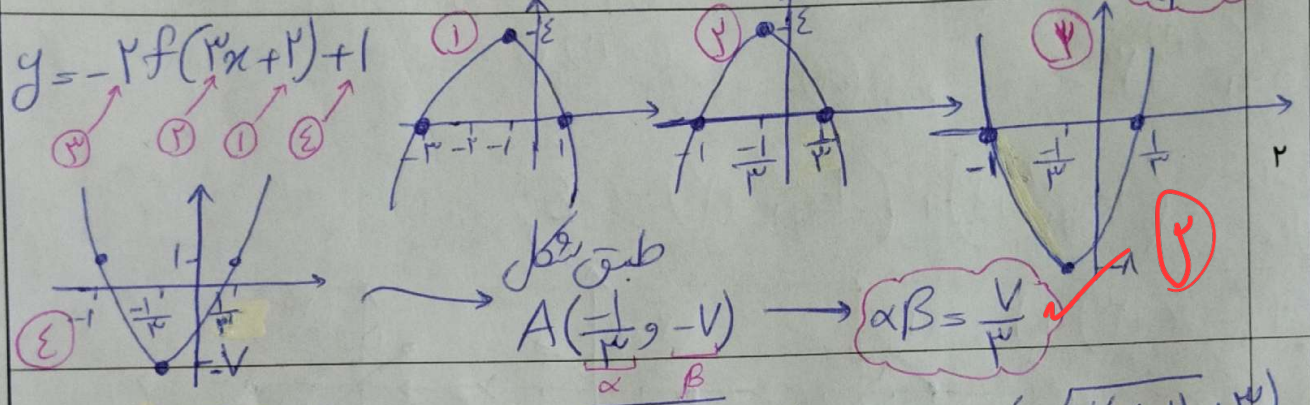


$x = \frac{-b}{2a} = \frac{\frac{2}{5}}{\frac{2}{5}} = 1 \rightarrow$ جایگزینی در معادله $\rightarrow y = \frac{21}{25} \rightarrow S(\frac{3}{5}, \frac{21}{25})$
 $\frac{3}{5} + x = 2 \rightarrow x = \frac{17}{5} \quad x' + \frac{21}{25} = 3 \rightarrow x' = \frac{47}{25}$
 $y = \frac{1}{3}(x - \frac{17}{5})^2 + \frac{2}{5}(x - \frac{17}{5}) + 1 + \frac{47}{25} \rightarrow y = \frac{1}{3}x^2 + \frac{1}{3}x - \frac{4}{3}$
 $a+b+c=0 \rightarrow \begin{cases} x_1=1 \\ x_2=V \end{cases}$



$y = -\sqrt{2x+1} + 3 \rightarrow y = -\sqrt{2(x+1)} + 3 \rightarrow y = -(-\sqrt{2(x+1)} + 3)$
 $y = -(-\sqrt{2(x+1)} + 3) + 5 \rightarrow y = \sqrt{2x+2} + 2$
 $\sqrt{2x+2} + 2 = \frac{V}{2} \rightarrow \frac{3}{2} = \sqrt{2x+2} \rightarrow \frac{9}{4} - \frac{1}{4} = 2x \rightarrow x = \frac{1}{2}$

$f(x-1) \rightarrow a < x-1 \leq 5 \rightarrow a+1 < x \leq 6$
 $g(x+1) \rightarrow -1 \leq x+1 < b \rightarrow -2 \leq x < b-1$
 $a+1 = -2 \rightarrow a = -3$
 $b-1 = 5 \rightarrow b = 6$
 $a-b = -9$

