

این معادله شرعی $\boxed{V}$ که به دوانه $A_{\frac{1}{2}}$

$$-2 \leq \frac{3x+2}{5} \leq 4$$

$$-10 \leq 3x+2 \leq 20$$

①

$$-12 \leq 3x \leq 18$$

$$\Rightarrow -4 \leq x \leq 6$$

$$D_x\left(\frac{3x+2}{5}\right) = [-4, 6]$$

$$3x-2 \begin{cases} -2 \\ -1 \\ 3 \end{cases} \begin{cases} -1 \\ 1 \end{cases}$$

$$\Rightarrow -1 \leq x \leq 1$$

②

$$= [-1, 1]$$

~~$$4 \leq \frac{3x+1}{2} \leq 10$$~~

$$\frac{3x+1}{2} \begin{cases} -1 \\ -1 \end{cases} \begin{cases} 1 \\ 2 \end{cases}$$

③

$$\Rightarrow -1 \leq x \leq 2$$

$$\Rightarrow -1 \leq 2-5x \leq 2$$

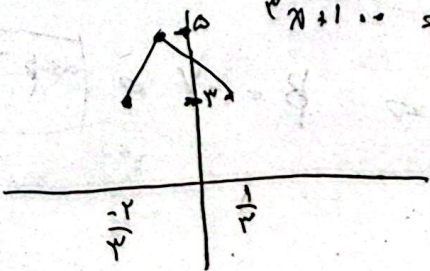
$$\Rightarrow -3 \leq -5x \leq 3$$

$$\Rightarrow -\frac{3}{5} \leq x \leq \frac{3}{5} \Rightarrow D = \left[-\frac{3}{5}, \frac{3}{5}\right]$$

$$-1 \leq 3x+1 \leq 2$$

$$\Rightarrow -\frac{2}{3} \leq x \leq \frac{1}{3}$$

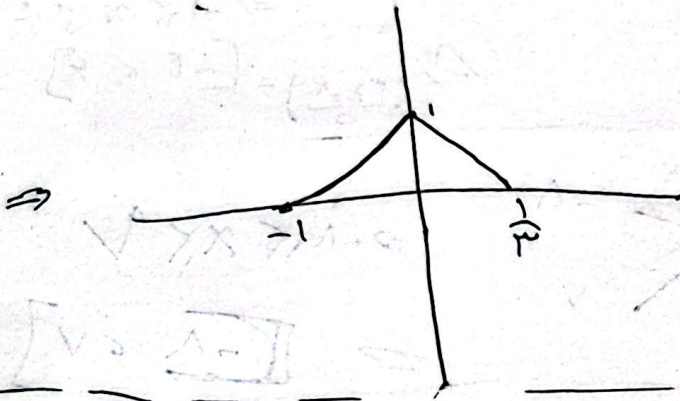
④



$$1.5 - 2x \leq 0$$

$$1 - 2x = 0 \Rightarrow x = 0.5$$

$$-1 \leq x \leq 1 \Rightarrow \frac{1}{2} \geq x \geq -1$$



$$-\frac{1}{2}x^2 + \frac{1}{2}x + 1$$

$$\frac{-\frac{1}{2}}{-1} = \frac{b}{a} = \frac{1}{2} \Rightarrow \text{Vertex at } x = \frac{1}{2} \quad \left(\frac{1}{2}, \frac{1}{2} \right) + \frac{1}{2} = \frac{1}{2} \quad \frac{1}{2} \Rightarrow \frac{1}{2}$$

$$-\frac{1}{2}x^2 + \frac{1}{2}x + 1 + \frac{1}{2} = 0$$

$$\sqrt{\frac{14}{1.6}} + \frac{99}{1.6 \times 10}$$

$$2x + 1 = 1 \Rightarrow x = \frac{1}{2} \Rightarrow x = -\frac{1}{2}$$

$$1 - \frac{1}{2} = -\frac{1}{2} \Rightarrow \beta = -\frac{1}{2} \Rightarrow \boxed{\alpha\beta = \frac{1}{2}}$$

$$D_f(x-1) = (a+1, a]$$

$$D_g(x+1) = [-r, b-1)$$

$$\Rightarrow D_g(x+1) \cap D_f(x-1) = (-r, a]$$

$$\Rightarrow b-1 = a$$

$$\Rightarrow b = a+1$$

$$\Rightarrow a - b = -1$$

$$\Rightarrow a+1 = -r$$

$$\Rightarrow a = -r-1$$

$$R_f = [-1, 1]$$

$$rR_f - r = [-1, 1] \Rightarrow \sqrt{[0, 1]}$$

$$\Rightarrow [0, \sqrt{1}]$$

$$-r \leq \frac{x}{r} + 1 \leq 0 \Rightarrow -r \leq \frac{x}{r} \leq -1$$

$$-1 \leq x \leq -r$$

$$D_f = [-1, 1]$$

$$g(x) = \sqrt{x-1} + 1 \quad (\sqrt{x} \in \mathbb{R})$$

$$g(x) = \left| \frac{x-1}{x-1} \right| + 1 \Rightarrow$$

$$\Rightarrow g(x) < -x$$

$$x^2 = 1$$

$$-1 - x = \frac{x-1}{x-1}$$

$$-(x-1)(x+1) = x-1$$

$$-x^2 + x + 1 = x-1 \Rightarrow x = \pm \sqrt{2}$$