

$$\begin{aligned} -2 &\leq x \leq 4 \\ -2 &\leq t \leq 4 \\ \frac{3x+2}{5} &= t \end{aligned} \rightarrow \begin{aligned} -2 &\leq \frac{3x+2}{5} \leq 4 \\ -10 &\leq 3x+2 \leq 20 \\ -12 &\leq 3x \leq 18 \\ \underline{-4 \leq x \leq 4} \end{aligned} \rightarrow D = [-4, 4]$$

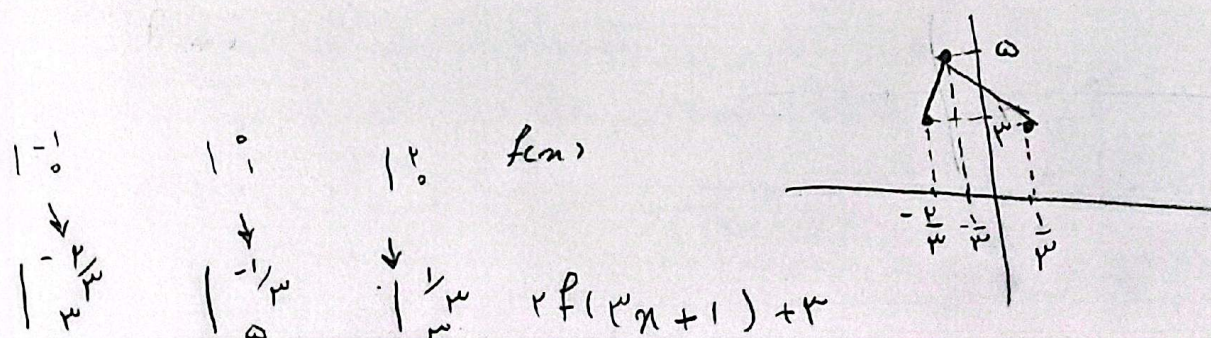
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$$\begin{aligned} -2 &\leq x \leq 3 \\ -4 &\leq 3x \leq 9 \\ -8 &\leq 3x-2 \leq 7 \\ \frac{t}{1} &= 3x-2 \\ \underline{-8 \leq t \leq 7} \end{aligned} \rightarrow D = [-8, 7]$$

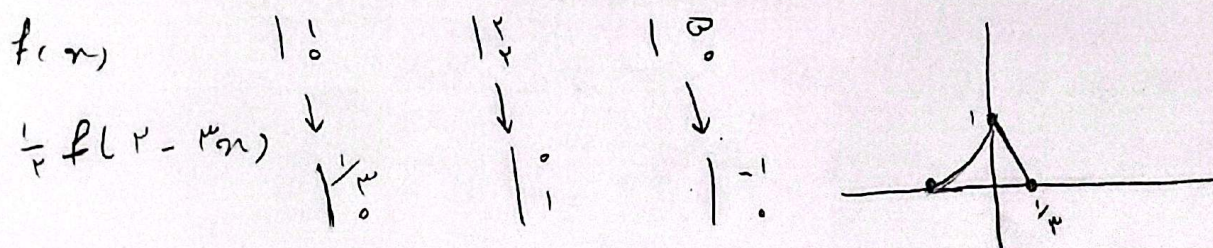
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$$\begin{aligned} -1 &\leq x \leq 3 \\ -3 &\leq 3x \leq 9 \\ -2 &\leq 3x+1 \leq 10 \\ \frac{t}{2} &= \frac{3x+1}{2} \\ \underline{-1 \leq \frac{t}{2} \leq 5} \end{aligned} \rightarrow \begin{aligned} -1 &\leq \frac{t-1}{3} \leq 5 \\ -3 &\leq t-1 \leq 15 \\ \underline{-2 \leq t \leq 16} \end{aligned} \rightarrow D = [-2, 16]$$

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$$x \text{ s } \frac{1}{\mu} = -\frac{b}{\mu a} = \frac{\mu}{a} \quad \frac{1}{\mu} (a - \mu) = \mu$$

$$y \text{ s } \frac{1}{\mu} = \frac{\mu a}{\mu a} \quad (a - \mu) = \mu \rightarrow a = \mu \pm \mu =$$

$$\left| \frac{\mu}{a} \right| \rightarrow \left| \frac{\mu}{\mu} \right| \quad y = -\frac{1}{\mu} (a - \mu) + \mu = 0$$

$$\boxed{V, 1}$$

$$sf(x) : \left| \frac{1}{\mu} \right|$$

$$1 - \mu f(\mu x + \mu) = \begin{vmatrix} -\frac{1}{\mu} & a \\ -\mu & b \end{vmatrix} \quad \alpha \beta = -\frac{1}{\mu} \times -\mu = \boxed{\frac{V}{\mu}}$$

$$\begin{aligned} Df(x-1) &= (a+1, b) \\ Dg(x+1) &= [-\mu, b-1] \end{aligned} \quad \left. \begin{aligned} & \\ & \end{aligned} \right\} \rightarrow (-\mu, b)$$

$$\frac{a+1}{a} = -\mu \quad \frac{b-1}{b} = \mu \quad a-b = -\mu \cdot \mu = \boxed{-9}$$

$$\begin{aligned} -\mu \leq \frac{x}{\mu} + 1 &\leq 0 \\ \downarrow \\ -\mu &\leq \frac{x}{\mu} \leq -1 \\ -\mu &\leq x \leq -\mu \end{aligned}$$

$$R_{D_1} = [-1, \mu]$$

$$\downarrow$$

$$\mu f(x) - \mu \rightarrow R = [-\mu, 1]$$

$$\sqrt{|\mu f(x) - \mu|} \rightarrow R = [0, 1]$$

$$D = [-\mu, \mu]$$

$$g(x) = \left| \frac{x-1}{\mu x - \mu} \right| + 1 \rightarrow x + \left| \frac{x-1}{\mu x - \mu} \right| + 1 < 0$$

$$\left\{ \begin{aligned} x < 1 &\rightarrow x+1 + \frac{1-x}{\mu - \mu x} < 0 \rightarrow \frac{\mu - \mu x + 1 - x}{\mu - \mu x} < 0 \rightarrow \frac{\mu + 1 - x(\mu + 1)}{\mu - \mu x} < 0 \end{aligned} \right.$$

$$1 < x < \frac{\mu}{\mu} \quad x^2 - x - 1 > 0 \rightarrow \emptyset$$

$$x > \frac{\mu}{\mu} \quad x^2 < x \rightarrow \emptyset$$

$$x < -\sqrt{\mu} \quad (-\infty, -\sqrt{\mu})$$