

تعیین

در ادامه

نقطه

$$-2 \leq \frac{x+2}{5} \leq 2 \xrightarrow[-2, \div 5]{x \leq 0} -4 \leq x \leq 4 \quad D_f = [-4, 4] \quad -1$$

$$x = -2 \rightarrow f(-2) \xrightarrow{\text{نقطه}} x = 2 \rightarrow f(2) \quad D_f = [-2, 2] \quad -2$$

$$x = -1 \rightarrow f(-1) \quad x = 3 \rightarrow f(0) \quad D_f = [-1, 0] \quad -3$$

$$-1 \leq x \leq 0 \quad -2 \leq -5x \leq 2 \quad -\frac{2}{5} \leq x \leq \frac{2}{5} \quad D_f = (-\frac{2}{5}, \frac{2}{5})$$

$$\text{نقطه} \quad y = \frac{-1}{x} (x-4)^2 + 3 \xrightarrow{y=0} (x-4)^2 \leq 9 \quad -4$$

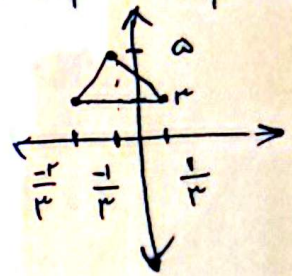
$$|x-4| \leq 3 \Rightarrow x \leq 7, x \geq 1$$

$$(-1, 0) \Rightarrow 2f(2x+1)+3 \quad \text{نقطه} \quad (\frac{2}{3}, 3), (\frac{1}{3}, 3), (-\frac{1}{3}, 0)$$

$$x'_1 = \frac{-1-1}{x} = \frac{-2}{x} \quad y'_1 = 2x+3 \leq 3$$

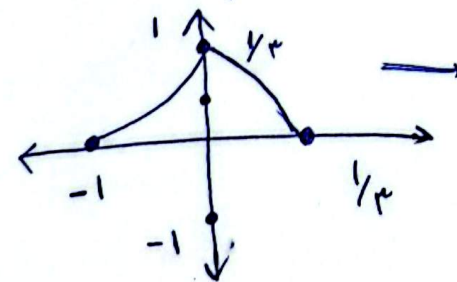
$$(2, 0) \Rightarrow x'_2 = \frac{2-1}{x} = \frac{1}{x} \quad y'_2 = 2x+3 \leq 3$$

$$(0, 1) \Rightarrow x'_3 = \frac{0-1}{x} = \frac{-1}{x} \quad y'_3 = 2x+3 \leq 0$$



$$\text{عکس} \quad \frac{1}{x} f(x-3x) \quad y' = \frac{y}{x}, x' = -\frac{x+y}{x} \quad -5$$

$$x'_1, y'_1 \in (\frac{1}{x}, 0) \quad x'_2, y'_2 \in (0, 1) \quad x'_3, y'_3 \in (-1, 0)$$



والبه ها مقصود است
نقطه

$$y' = \frac{1}{x}y + 1 \quad x' = \frac{1}{x}x - 2 \quad \text{رابطه} \quad -6$$

$$f_{\text{نقطه}} = (1, 3) \xrightarrow{\text{نقطه}} 1 \leq \frac{1}{x} - 2 \leq 1 \quad x \leq \frac{1}{3} + 1 \leq -1$$

$$-1 \leq \frac{0}{x} \leq \frac{-5}{x}$$

$$f(x) \rightarrow D = (a, b] \quad f(x-1) \quad a \leq x-1 \leq x \quad a+1 \leq x \leq b \quad -7$$

$$g(x) \quad D = [-1, b) \quad g(x+1) \quad -1 \leq x+1 \leq b \quad -2 \leq x \leq b-1$$

$$a+1 \leq -2 \quad a \leq -3 \quad b-1 \leq 0 \quad b \leq 1 \quad -3-4 \leq -7$$

$$Df\left(\frac{n}{r}+1\right) = [-r, 0] \quad Df \Rightarrow x = -r \quad f\left(\frac{1}{r}\right)$$

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$$n < 0 \Rightarrow f\left(\frac{v}{r}\right) \quad Df = \left[-\frac{1}{r}, \frac{v}{r}\right]$$

$$Rf\left(\frac{n}{r}+1\right) = Rf(n) \Rightarrow x = -r : -\delta \leq |f(n) - r| \leq 1$$

$$\in [-1, 1]$$

$$D_{\text{no}} = \left[-\frac{1}{r}, \frac{v}{r}\right]$$

$$\Rightarrow \text{or } |f(n) - r| \leq 1$$

$$R = [0, \sqrt{1}]$$

$$\in [0, 1]$$

$$f(n) = \left| \frac{n+1}{r_{n+1}} \right| \longrightarrow$$

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