

$$-2 \leq \frac{3x+2}{4} \leq 2 \rightarrow -10 \leq 3x+2 \leq 10 \rightarrow -12 \leq 3x \leq 8 \rightarrow \boxed{-4 \leq x \leq \frac{8}{3}}$$

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$$x = -2 \rightarrow 3(-2) - 2 = -10 \rightarrow D = [-10, 10]$$

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$$x = 2 \rightarrow 3(2) - 2 = 4$$

$$x = -1 \rightarrow 3(-1) + 1 = -2 \rightarrow -1 \leq 2 - 4x \leq 10 \rightarrow -3 \leq -4x \leq 12$$

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$$x = 2 \rightarrow \frac{3(2)+1}{4} = 1 \rightarrow \frac{-3}{4} \leq x \leq \frac{3}{4} \rightarrow \boxed{D = \left(-\frac{3}{4}, \frac{3}{4}\right]}$$

$$|-1| \rightarrow 3x+1 = 2 \rightarrow x = \frac{1}{3}$$

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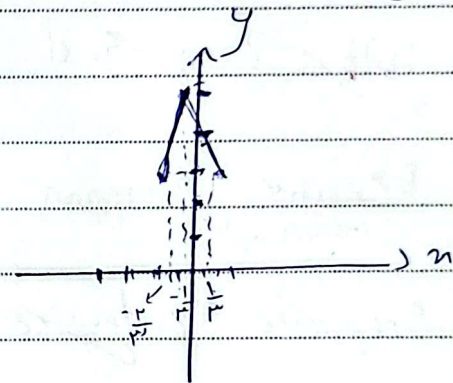
$$y = 2(0) + 3 = 3$$

$$|1| \rightarrow 3x+1 = 0 \rightarrow x = -\frac{1}{3}$$

$$y = 2(1) + 3 = 5$$

$$|2| \rightarrow 3x+1 = 2 \rightarrow x = \frac{1}{3}$$

$$y = 2(0) + 3 = 3$$



$$2 - 3x \leq 1 \rightarrow x \geq \frac{1}{3}$$

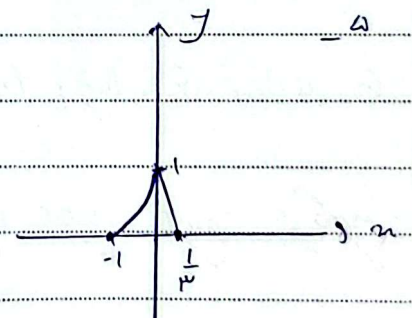
$$y = 0$$

$$2 - 3x \geq 1 \rightarrow x \leq \frac{1}{3}$$

$$y = 1$$

$$2 - 3x \leq 0 \rightarrow x \geq \frac{2}{3}$$

$$y = 0$$



$$\text{ext} \left| \begin{array}{l} -\frac{b}{ra}, \frac{-\frac{r}{a}}{-\frac{r}{a}} = \frac{r}{a} \\ -\frac{1}{r} \times \frac{r}{ra} + \frac{r}{a} \times \frac{r}{a} + 1 = \frac{r}{ra} + 1 - \frac{r}{ra} \end{array} \right. \quad 4$$

$$y = -\frac{1}{r} \left(x - \frac{1}{a} \right)^r + \frac{r}{a} \left(x - \frac{1}{a} \right) + 1 + \frac{r}{ra}$$

$$-\frac{1}{r} t^r + \frac{r}{a} t + \frac{r}{ra} = 0 \rightarrow t = \frac{r}{a} \pm \sqrt{\frac{r}{ra} + \left(\frac{1}{r} \right) \left(\frac{r}{ra} \right)}$$

$$t = \frac{1}{a} = x - \frac{1}{a} \rightarrow \boxed{x = \frac{1}{a}}$$

$$-\frac{1}{r} = x - \frac{1}{a} \rightarrow \boxed{x = \frac{1}{a}}$$

$$r_n + r_s = 1 \rightarrow \boxed{x = \frac{1}{r}} \quad y = 1 - r(t) = \boxed{-r} \quad -\frac{1}{r} x - r = \boxed{\frac{r}{r}} \quad 1$$

$$D_{f(n-1)} = [a+1, a] \quad D_{g(n+1)} = [-r, b-1] \quad 1$$

$$a+1-r_s-r \rightarrow \boxed{a=-1} \quad a+b-1=a \rightarrow \boxed{b=1} \quad a-b, 1-(1) \rightarrow \boxed{-r}$$

$$-r \leq x \leq a \rightarrow -\frac{r}{r} \leq \frac{x}{r} \leq \frac{a}{r} \rightarrow -1 \leq \frac{x}{r} + 1 \leq \frac{a}{r} \quad 9$$

$$D = \left[-\frac{1}{r}, \frac{a}{r} \right] \quad R = [0, \sqrt{r}]$$

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

$$x + \left| \frac{x-1}{rx-r} \right| + 1 \leq \frac{1}{r} \quad (1) \quad \frac{x-1}{rx-r} + x + 1 \leq \frac{1}{r}$$

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$$\frac{rx-r}{rx-r} < \frac{1}{r} \quad (2) \quad \frac{x-1}{rx-r} + x + 1 \leq \frac{1}{r}$$

$$1 \cap 2 \rightarrow [-r, 1] \cup [r, +\infty)$$