

نام و نام خانوادگی: سید عباسی پاسخنامه تشریحی تکلیف شماره ۷ کلاس: دوازدهم سر A

$$D_f = [-2, 4] \rightarrow -1 \leq \frac{3x+2}{5} \leq 1 \rightarrow \frac{-2 \times 5 - 2}{3} \leq x \leq \frac{4 \times 5 - 2}{3}$$

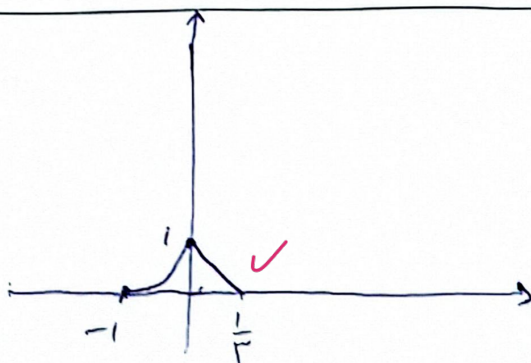
$$\rightarrow -4 \leq x \leq 6 \rightarrow D = [-4, 6]$$

$$-2 \leq x \leq 2 \rightarrow -1 \leq 3x - 2 \leq 1 \rightarrow D_f = [-1, 1]$$

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

$f\left(\frac{3x+1}{2}\right)$
 $\downarrow$
 $f(2-3x)$

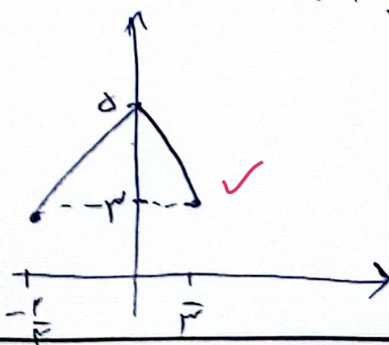
$$\rightarrow D_{f(2-3x)} = \left(-\frac{1}{3}, \frac{1}{3}\right]$$



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

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

$0 \leq 1 \rightarrow 0 \leq 1$



$$-1 \leq 3x + 1 \leq 1 \rightarrow -\frac{2}{3} \leq x \leq \frac{0}{3}$$

$$0 \leq 1 \rightarrow 0 \leq 1$$

$$\int \left| \frac{\frac{r}{\sigma}}{\frac{r}{\sigma}} = \frac{r}{\sigma} \right. \quad \left. + \frac{1}{\sigma} \rightarrow x' = x - \frac{1}{\sigma} \right.$$

$$-\frac{1}{x} \times \frac{r}{\sigma} + \frac{r}{\sigma} \times \frac{r}{\sigma} + 1 = \frac{r}{\sigma} + 1 = \frac{r_1}{\sigma} \rightarrow \mu$$

$$+ \frac{r}{\sigma} \rightarrow \sigma' = \sigma - \frac{r}{\sigma}$$

$$-\frac{1}{r} (x')^2 + \frac{r}{\sigma} x' + 1 + \frac{r}{\sigma}$$

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

$$f(1) = r$$

$$r_2 + r = 1 \rightarrow r = \frac{1}{r} \checkmark$$

$$1 - \hat{r} = -r = B$$

$$D_f(n-1) = (a+1, d)$$

$$A = \begin{pmatrix} a+1 & d \\ -r & b \end{pmatrix} \rightarrow a = \checkmark$$

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

$$a - b = -4$$

$$D_f = \left[-\frac{r}{r} + 1, \frac{\sigma}{r} + 1 \right] = \left[\frac{1}{r}, \frac{v}{r} \right] \rightarrow D_r = \left[\frac{1}{r}, \frac{v}{r} \right]$$

$$\rightarrow \begin{matrix} \text{نقطه} \\ \text{مهم} \\ \text{است} \end{matrix} \rightarrow \begin{matrix} -\frac{1}{r} & 0 & \frac{1}{r} \\ 0 & 1 & 0 \end{matrix} \rightarrow \begin{matrix} \text{min} \\ 1 \\ -1 \end{matrix} \rightarrow \begin{matrix} \frac{r}{r} \\ 0 \\ 0 \end{matrix} \rightarrow \begin{matrix} \text{min} \\ 1 \\ r \end{matrix} \rightarrow \begin{matrix} \frac{\sigma}{r} \\ 0 \\ 0 \end{matrix}$$

$$\sigma \rightarrow -\sigma \quad 1 \rightarrow R_g = [0, \sqrt{r}]$$

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

$$\frac{rx-r}{rx-r} \rightarrow \frac{rx-r}{rx-r} \rightarrow x \in (-\infty, -\sqrt{r}] \checkmark$$