

$$D_f : [-2, 4]$$

$$D_f\left(\frac{3n+2}{5}\right) : \begin{aligned} -2 &\leq \frac{3n+2}{5} \leq 4 \\ -10 &\leq 3n+2 \leq 20 \\ -\frac{12}{3} &\leq n \leq \frac{18}{3} \Rightarrow D : [-4, 6] \end{aligned}$$

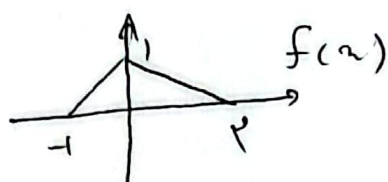
$$D_f(3n-2) : [-1, 3] \quad D_f : ?$$

$$\begin{aligned} 3(-1)-2 &\leq -5 \\ 3 \times 3 - 2 &\leq 7 \end{aligned} \Rightarrow D_f : [-5, 7]$$

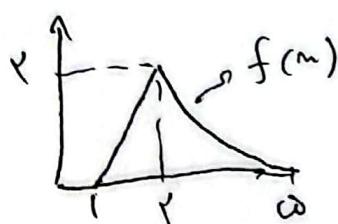
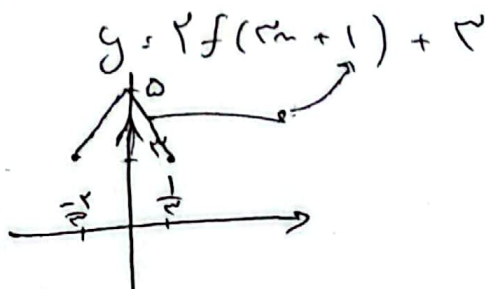
$$D_f\left(\frac{3n+1}{2}\right) : [-1, 3] \quad D_f(2-5n) : ? \left(-\frac{3}{5}, \frac{3}{5}\right)$$

$$D_f : \left[\frac{3(-1)+1}{2}, \frac{3 \times 3 + 1}{2} \right) = \left[-1, \frac{10}{2} \right) = [-1, 5)$$

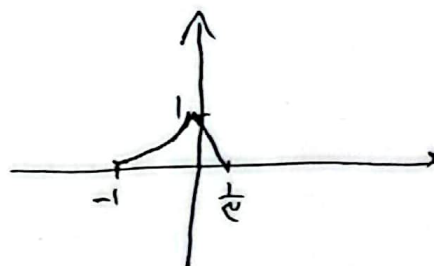
$$\begin{aligned} -1 &\leq 2-5n < 0 \\ -3 &\leq -5n < 3 \\ -\frac{3}{5} &\leq n < \frac{3}{5} \end{aligned}$$



$$\begin{aligned} -1 &\leq 3n+1 \leq 2 \\ -2 &\leq 3n \leq 1 \\ -\frac{2}{3} &\leq n \leq \frac{1}{3} \end{aligned}$$



$$\begin{aligned} 1 &\leq 2-5n \leq 0 \\ -1 &\leq -5n \leq 3 \\ -1 &\leq n \leq \frac{3}{5} \end{aligned}$$



$$-\frac{1}{2}t^2 + \frac{1}{2}t + 1 = -\frac{5v}{v_0}$$

$$-\frac{1}{2}n^2 + \frac{1}{2}n + 1 = -\frac{5v}{v_0}$$

$$y = -\frac{1}{2}n^2 + \frac{1}{2}n + 1$$

$$-\frac{1}{2}n^2 + \frac{1}{2}n + 1 = -\frac{5v}{v_0}$$

$$E = -\frac{9}{v_0} \frac{v}{v_0}$$

$$\frac{-\frac{1}{2}}{-\frac{1}{2}} = \frac{\frac{1}{2}}{\frac{1}{2}}$$

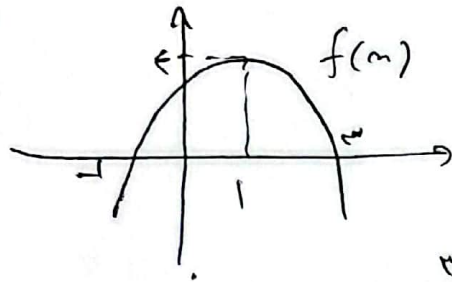
$$-\frac{1}{2}(\frac{1}{v_0}) + \frac{1}{2} + 1 = \frac{5v}{v_0}$$

$$f+h = \frac{1}{2} \quad h = \frac{1}{2} - \frac{1}{2} = 0$$

$$(-\frac{1}{2}, \frac{1}{2})$$

$$f(x-\frac{1}{2}) + \frac{v_0 - \frac{1}{2}}{v_0} = 0$$

$$f(n-\frac{1}{2}) = -\frac{5v}{v_0} \quad n = \frac{1}{2}$$



$f(n)$ or $|f|$

$$-(5v+1) = -v$$

$$\frac{-1}{v} \quad \frac{1}{v}$$

$$1 - 2f(n+1)$$

$$v_0 + v = 1 \quad \frac{-1}{v} = n$$

$$-\frac{1}{2} \times -v = \frac{v}{2} = \alpha p$$

$$D_f : (a, c]$$

$$D_g : [-1, b)$$

$$D_g = f(n+1) + g(n+1)$$

$$a-b, ?$$

$$-c - d = -9 = a-b$$

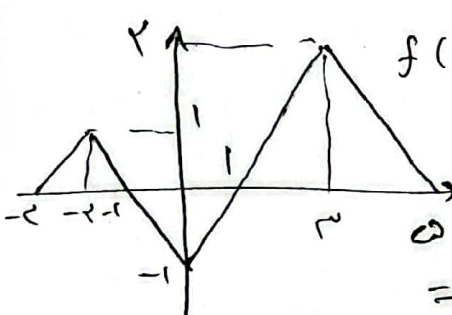
$$(-1, 0) \cup (1, 2)$$

$$D_{f(n+1)} : (a+1, d]$$

$$D_{p+h} = (-1, d) : D_p \cap D_h$$

$$D_{g(n+1)} : [-1, b-1)$$

$$\Rightarrow b-1 \leq d \quad a+1 \leq -1$$



$$f(\frac{n}{2}+1)$$

$$y = \sqrt{|2f(n)-3|}$$

$$D_y : [-\frac{1}{2}, \frac{1}{2}]$$

$$R_y : [0, \sqrt{2}]$$

$$\frac{2}{2} + 1 = \frac{1}{2} \quad \frac{1}{2} + 1 = \frac{3}{2} \quad -1 \leq f(t) \leq 1 \quad -1 \leq 2f(t) - 3 \leq 1$$

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

$$1 + \left| \frac{n-1+1}{2(n-1)+1} \right| + n < 0$$

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

$$1 + \left| \frac{n-1}{2n-1} \right| + n < 0$$

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

$$(-\infty, -\sqrt{2}] \cup (1, \frac{1}{2})$$