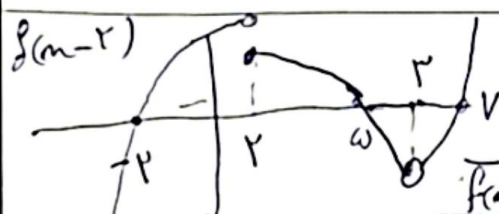


ممرار آن را می بینیم
در نقطه ۲

پس تابع است

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$$D_f = \{2, 4\}$$

$$(-2, -2] \cup (0, 2) \cup [2, +\infty)$$

	-4	-2	0	2	4	6	8
$f(m-2)$	-	-	+	+	+	-	+
$f(m)$	-	+	+	+	+	-	+
m	-	-	-	+	+	+	+
	-	+	-	+	-	-	+

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$$D_f = \mathbb{R} - \{0, -2, +2\} \quad (\text{الف})$$

$$\sqrt{\frac{(2m+1)(m-1)}{m(m-2)(m+2)}}$$

$$-2, 0, \frac{1}{2}, 1, 2 \quad \begin{array}{c|c|c|c|c} -2 & 0 & \frac{1}{2} & 1 & 2 \\ \hline + & - & + & - & + \end{array}$$

$$(-2, 0) \cup [\frac{1}{2}, 1] \cup (2, +\infty)$$

(ب)

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$$\text{الف) } \sqrt{\frac{(m-2)}{(m^2-4)(m+2)}}$$

$$m \neq \pm 2 \quad D_f = (-2, +\infty) - \{+2\}$$

$$\rightarrow) \quad 4 - 2[-m] \neq 0 \quad 2 \neq [-m] \quad 2 \leq -m \leq 2$$

$$-2 \leq m \leq -2 \Rightarrow D_f = \mathbb{R} - [-2, -2]$$

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$$\text{الف) } |m| + m \neq 0 \Rightarrow m > 0$$

$$\begin{array}{c|c|c|c} -1 & 1 & 1 & 1 \\ \hline + & - & - & + \end{array} \quad D_f = [1, +\infty)$$

$$\rightarrow) \quad |m-2| \geq m^2 \Rightarrow -2 \leq m \leq 1, \quad |m-1| \neq 0 \Rightarrow m \neq \pm 1$$

$$\Rightarrow D_f = [-2, -1) \cup (-1, 1)$$

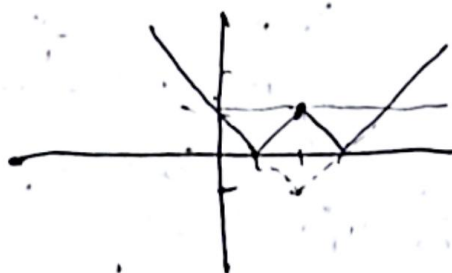
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$$\text{الف) } D_f = [2, +\infty)$$

$$\text{ب) } [m] - 2 \geq 0 \quad [m] \geq 2 \quad m \geq 2, \quad m = 1, 0$$

$$\Rightarrow D_f = \{1\} \cup [2, +\infty)$$

$$k=1$$



$$m \neq 1, -1, -2$$

$$n=2$$

$$m^2 - 4m + 9 = 0$$

کبریا

$$m > 0 \quad m \neq 1$$

$$m+1 > 0 \quad m > -1, \quad m \neq 0$$

$$D_f = (0, +\infty) - \{1\}$$

$$m^2 - 1 \leq 3$$

$$m^2 - 2 \leq 0$$

$$\left[-\frac{1}{\sqrt{2}}, \frac{1}{\sqrt{2}}\right]$$

$$D_f = \left[-\frac{1}{\sqrt{2}}, \frac{1}{\sqrt{2}}\right]$$

سید علی