

نام و نام خانوادگی شماره کلاس تاریخ
پاسخنامه تشریحی تکلیف شماره
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$$f(\omega) = f(-2) + a \rightarrow 1^2 a + 1^2 a - 2 \rightarrow 10a = -18 \rightarrow a = -1.8$$

$$\rightarrow 2 \cdot (1^2)(a+1) = 1^2 a + 1^2$$

1

$$\left. \begin{aligned} f(2-\sqrt{3}) &= \sqrt{2-\sqrt{3}} + \frac{1}{\sqrt{2-\sqrt{3}}} + 2 = \sqrt{2-\sqrt{3}} + \sqrt{2+\sqrt{3}} + 2 \\ f(2+\sqrt{3}) &= \sqrt{2+\sqrt{3}} + \frac{1}{\sqrt{2+\sqrt{3}}} + 2 = \sqrt{2+\sqrt{3}} + \sqrt{2-\sqrt{3}} + 2 \end{aligned} \right\} 2\sqrt{2-\sqrt{3}} + 2\sqrt{2+\sqrt{3}} + 4$$

2

$$2f(n) - 3f(-n) = 2n^2 - n \rightarrow 4f(n) - 4f(-n) = 4n^2 - 2n$$

$$2f(0-n) - 3f(n) = 2n^2 + n \rightarrow 4f(-n) - 4f(n) = 4n^2 + 2n$$

$$-4f(n) = 4n^2 + 2n \rightarrow f(n) = -n^2 - \frac{n}{2}$$

3

$$n=0 \rightarrow 2f(0) = 2m-1 \rightarrow 2f(0) - 2m = -1$$

$$n=-2 \rightarrow 4f(0) = 1 + 2m + 2m - 1 = 4m \rightarrow 4f(0) - 4m = 0$$

$$4f(0) = 4m \rightarrow f(0) = m$$

4

$$n=-1 \rightarrow 2f(-1) = \frac{3+1+3}{-1} = -1 \rightarrow f(-1) = -0.5$$

5

$$D_f: 1 - \eta \geq 0 \rightarrow \eta \leq 1$$

با هم برابرند

Dg. $1-n \geq 0 \rightarrow 1 \geq n$

$$x=0 \rightarrow \begin{matrix} f(0) = -1 \\ g(0) = -1 \end{matrix} \quad x=1 \rightarrow \begin{matrix} f(1) = -1\sqrt{1} = -1 \\ g(1) = -\sqrt{1 \cdot 1} = -1 \end{matrix}$$

~~_____~~ $D_f: n \geq 0$

$$Dg, n \geq 0 =$$

$$\eta = 0 \rightarrow \begin{matrix} f(0) = 0 \\ g(0) = 0 \end{matrix} \quad \eta = 1 \rightarrow \begin{matrix} f(1) = 1 \\ g(1) = 1 \end{matrix}$$

$$D_f: n \geq 0$$

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$$D_g: n - |n| \geq 0 \rightarrow n \geq |n| \left\{ \begin{array}{l} \bullet \text{ } \checkmark \\ \bullet \text{ } \mathbb{R}^+ \checkmark \\ \bullet \text{ } \mathbb{R}^- \times \end{array} \right\} n \geq 0$$

$$x=0 \rightarrow \begin{cases} f(0)=0 \\ g(0)=0 \end{cases} \quad x=t \rightarrow \begin{cases} f(t)=0 \\ g(t)=0 \end{cases}$$

$$\text{الف) } \frac{y+1}{y-1} = 3.$$

ج) $\frac{3+3}{6}$ صحیح

$$2.) = (0) + (1) = 0$$

الف) $f(x_{n-1}) \rightarrow x_{n-1} \rightarrow x = \frac{t+1}{\mu}$

$$g(n): \{(1,1), (0,1), (1/2, \omega), (-1/2, 1), (1, -1)\}$$

1) ~~Handwritten scribbles~~

$$h(n) = \{ (v, 1), (0, \omega), (v, -1) \}$$