

۱۹، ۲۵ آئین

$1-m \geq 0 \quad m \leq 1 \quad D_f = D_g$ $(1-m)^2 \geq 0 \rightarrow 1-m \geq 0 \rightarrow m \leq 1$ $m-1 = -(1-m) \quad f(m) = -(1-m)\sqrt{1-m} = -\sqrt{(1-m)^3}$ $m \leq 1$ $f = g$	۴
$D_f: m \geq 0 \Rightarrow D_f = D_g$ $D_g: m \geq 0$ $m\sqrt{m} = \sqrt{m^3} \Rightarrow f = g$	✓
$D_{f(m)}: m \geq 0 \Rightarrow D_f = D_g$ $D_{g(1/f)}: m \geq 0$ $m = \frac{1}{f} \rightarrow f(\frac{1}{f}) = \frac{1}{f}$ $g(\frac{1}{f}) = 0 \Rightarrow f \neq g$ $f(\frac{1}{f}) = [\sqrt{\frac{1}{f}} - [\frac{1}{f}]] = [\frac{1}{f} - \cdot] = [\frac{1}{f}] = 0 \rightarrow f = g$	۱۲۵
$f(1) = 2 \quad g(1) = 1 \quad \frac{2+1}{2-1} = 3$ مغز منفرجه تعریف نشده $f(2) = 3 \quad g(2) = 3$ $f(0) = 0 \quad g(0) = 1$ $0 \times 1 = 0$	الف) ۹ ب) ج)
$g = \{ (1,1), (0,4), (\frac{1}{4}, 5), (\frac{1}{2}, 2), (\frac{4}{3}, 0-1) \}$ $h = \{ (-3, -1), (-2, 1), (0, 5), (2, 1), (2, -1) \}$	الف) ۱۰ ب)

پرتو بردار

تکلیف شماره

کلاس یازدهم دختر A
پیشینه ۱۹-۲۱

$$f(a) = (a+1)^2 = a^2 + 2a + 1$$

$$f(-2) = 3a - 4$$

$$2f(a) = f(-2) + a$$

$$2(a^2 + 2a + 1) = 3a - 4 + a$$

$$2a^2 + 4a + 2 = 4a - 4$$

$$2a^2 = -6$$

$$a = -\sqrt{3}$$

$$a = 2 - \sqrt{3} \quad ab = (2 - \sqrt{3})(2 + \sqrt{3}) = 4 - 3 = 1$$

$$b = 2 + \sqrt{3} \quad (\sqrt{a} + \sqrt{b})^2 = a + b + 2\sqrt{ab} = 6$$

$$\sqrt{a} + \sqrt{b} = \sqrt{6}$$

$$f(m) + f(b) = 2(\sqrt{a} + \sqrt{b}) + 4 = 2\sqrt{6} + 4$$

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

$$f(n) = -4n^2 - \frac{n}{5}$$

$$n = 0 \rightarrow 2f(0) = 3m - 1$$

$$n = -2 \rightarrow 2f(0) = 15 + 5m$$

$$f(0) = \frac{3m-1}{2}$$

$$2(3m-1) = 15 + 5m$$

$$m = \frac{9}{5}$$

$$f(0) = \frac{13}{10}$$

$$f(n) + f\left(\frac{1}{n}\right) = 3n - 12 + \frac{3}{n}$$

$$an + b + \frac{a}{n} + b = 3n - 12 + \frac{3}{n}$$

$$a = 3 \quad 2b = -12 \Rightarrow b = -6$$

$$f(n) = 3n - 6$$

$$f(-1) = -9$$

$$f(n) = [\sqrt{n} - [\sqrt{n}]] \rightarrow \sqrt{n} \rightarrow n \geq 0 \rightarrow D_f = [0, +\infty)$$

$$g(n) = \sqrt{n-1} \rightarrow n-1 \geq 0 \rightarrow D_g = [1, +\infty)$$

$$f(n) = [\sqrt{n}] - [\sqrt{n}] = 0 \quad \text{عدد صحیح از برکت مرآید بیرون ن}$$

$$g(n) = 0 \quad \text{آیا برابر می‌باشند!} \rightarrow n-1 = n \rightarrow n = 0 \quad \text{نسبت صفر است!}$$

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