

۲. آخرین باه خزه ی شوی ت

سازمان کتابخانه

①

$$f(a) - (a+1)(a+2) = 7a+7$$

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



$$\{3a+1\} = 3a - 4 + 5 \quad 1. a = -1 \quad a = -\frac{4}{5} - 1 \quad \text{پ}$$

$$f(x) = \sqrt{x} + \frac{1}{\sqrt{x}} + 2 \quad f(2\sqrt{3}) + f(2+\sqrt{3})$$

②

$$f(m) + f(nr) = 2 \left(m + \sqrt{nr} \right) + 2$$

$$(\sqrt{m_1} + \sqrt{m_2})^2 = m_1 + m_2 + 2\sqrt{m_1 m_2} = 2$$

$$\sqrt{m} + \sqrt{nr} = \sqrt{4} \rightarrow 2 + 2\sqrt{4} \quad \text{پ}$$

③

$$2f(m) - 2f(-m) = 2m^2 - 4 \quad 2f(-m) - 2f(m) = 2m^2 + 4$$

$$-2f(m) = 2m^2 + 4 \quad f(m) = -m^2 - \frac{2}{m} \quad \text{پ}$$

$$x = 2$$

$$2f(0) = 2m - 1$$

$$m = 2, 0 \quad f(0) = 2/2 \quad \text{پ}$$

④

$$4f(0) = 1\omega + \omega m$$

$$\frac{2m^2 - 12m + 10}{n} = 2m + \frac{2}{n} - 12$$

$$a = 2$$

$$f(m) = 2m - 4$$

$$b = -4$$

$$f(-1) = -2 - 4 = -6 \quad \text{پ}$$

⑤

$$f(m) + f(1/m) = a(m + 1/m) + 2b$$

⑥

$$f(m) = (1-m)\sqrt{(1-m)} = (1-m)^{3/2} = g(m) \quad m < 1$$

$$g = f \Rightarrow \text{پ}$$

⑦

$$2\sqrt{m} = \sqrt{m^2} \Rightarrow \sqrt{m^2} = \sqrt{m^2}$$

$$a = \sqrt{m^2} \quad f = g \quad \text{پ}$$

$$D_f \rightarrow m > 0$$

$$D_g \rightarrow m > 0 \rightarrow m > 0 \quad \text{پ}$$

$$m > 0 \quad |m| = m \quad g(m) = \sqrt{m-m} = 0$$

$$m = |m| = -|m| \quad f(m) = [\sqrt{m} - \sqrt{m}] = 0$$

$$\frac{(f+g)}{(f-g)} \Rightarrow 1 \Rightarrow \frac{r}{1} = r \quad n=1 \quad (1)$$

$$x \in \mathbb{C} \setminus \{1\} \quad x^r \quad (2)$$

$$f(1) \propto g(-1) = x^r \quad (3) \quad \text{D}$$

$$r_{n-1} = r \quad n=1 \Rightarrow y = f(1) = 1 \quad (\text{نقطة})$$

$$r_{n-1} = r-1 \quad n=0 \quad g = f(-1) = 1 \quad r_{n-1} = -r \quad n = -1/\mu$$

$$r_{n-1} = r \quad n = 1/\mu \Rightarrow g = f(1) = 1 \quad g = f(-1) = 1$$

$$r_{n-1} = r$$

$$g = \{(1,1), (0,1), (1/\mu, 0), (-1/\mu, 1), (1/\mu, -1)\} \quad n = 1/\mu \quad \text{D}$$

$$|n| = r \Rightarrow \pm r \Rightarrow h=1$$

$$|n| = r \Rightarrow 0 \quad h=0$$

$$h = \{(r,1), (-r,1), (0,0), (r,-1), (-r,-1)\}$$

$$|n| = r \Rightarrow \pm r \quad h=1$$