



$$f(a) - (a+1)(a+2) = 5a+7$$

$$f(-r) = 3a + r(-r) = 3a - r$$

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

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

$$f(m) + f(nr) = r \{ m + \sqrt{nr} \} + r$$

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

$$\sqrt{m} + \sqrt{nr} = \sqrt{4} \rightarrow r + 2\sqrt{4}$$

$$rf(m) - rf(-m) = rnr - x \quad rf(-n) - rf(m) = rnr + n$$

$$- \Delta f(m) = rnr + x \quad f(m) = -rnr - \frac{x}{a}$$

$$x = a \quad rf(0) = rnr - 1 \quad m = r, 0 \quad f(n) = rnr/2$$

$$4f(0) = 1a + am$$

$$\frac{rnr - 1rnr + r}{n} = rnr + \frac{r}{n} - 1r$$

$$a = r$$

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

$$b = -4$$

$$f(-1) = -4 - 4 = -8$$

$$f(m) + f(1/m) = a(m + 1/m) + rb$$

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

$$g = f \Rightarrow \frac{d}{dx} f$$

$$\alpha \sqrt{m} = \sqrt{m^2} \quad \alpha = \sqrt{(m^2)} \quad f = g$$

(v)

D_f

$$Dg \rightarrow \alpha/n \gg 0 \rightarrow n \gg 0 \checkmark$$

$$n \gg 0 \quad |m| \geq n \quad g(m) = \sqrt{(n-m)} = 0$$

$$n - |m| = (-1)m \quad f(m) = [\sqrt{m} - \sqrt{2n}]_{20}$$

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

$$x \leftarrow 0, 2, 4, \dots, x^r \quad (2)$$

$$f(0) \times g(-1) = x^1 = x \quad (3)$$

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

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

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

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

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

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

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

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

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