

۲۰. آفرین عالی نوشتہ

$$r f(0) = \underbrace{f(-r)} + a$$

$$f(\delta) \rightarrow \delta > 1 \rightarrow f(\delta) = (\alpha+1)(\delta+1)^{\alpha} = \alpha + \alpha\delta + \delta^{\alpha+1} + \delta^{\alpha+1}$$

$$P(-r) \rightarrow -r \leq 1 \rightarrow {}^{w_a}P(-r), {}^{w_a}P$$

$$P(v+va) = w_a - \varepsilon + a \quad -1\lambda = 10a$$

$$P_a - P = 1\varepsilon + 1\varepsilon a \quad a \rightarrow \boxed{-1, 1}$$

$$\left(\sqrt{x} + \frac{1}{\sqrt{x}}\right)^r \rightarrow x + \frac{1}{x} + r$$

$$\sqrt{x} \in \frac{1}{\sqrt{x}}, A$$

$$A^T x \perp x$$

$$A = \sqrt{x + \frac{1}{x}} + 1$$

$$f(x) = \sqrt{x} e^{\frac{1}{x} + y} + y / \frac{1}{x\sqrt{x}} = \frac{y - \sqrt{x}}{x - y}, \quad \frac{y - \sqrt{x}}{y - x}$$

$$x + \frac{1}{x} \rightarrow (x + \sqrt{c}) + (x - \sqrt{c}) \quad \textcircled{c}$$

$$\frac{1}{x - \sqrt{3}} = \frac{x + \sqrt{3}}{x^2 - 3}$$

$$(\sqrt{9} + 2)(\sqrt{9} + 2)$$

$\sqrt{y} + \varepsilon$

$$f(y, \sqrt{y}) \rightarrow \sqrt{4+y} \quad y \rightarrow \sqrt{4+y}$$

$$f(x-\sqrt{y}) = \sqrt{x+y} + y \cdot \sqrt{y} - y$$

$$(r f(x) - r f(-x)) = E_{\alpha}(r-x) x^{\nu} \rightarrow E f(x) - 4 f(-x), \wedge x^{\nu} - \nu x^{\nu-1} - 3 f(x) + 6 f(-x) = 1 \nu \cdot \nu + \nu^0$$

$$t - 9f(x) + 9f(-x) = 18x^7 + 18x^9$$

$$\rightarrow f(-x) - f(x) = 6x^3 + x \rightarrow$$

$$-\delta f(x) = 2x x' + x \rightarrow f(x) = -\frac{1}{2}x^2 + \frac{1}{2}x$$

$$\frac{\mu_x \left(\frac{q}{r} \right) - 1}{r} = \frac{\frac{v}{r} - 1}{r}, \frac{\frac{v}{r}}{r}, \frac{\frac{v}{r}}{r} \left(\frac{q}{r} \right) \neq (a)$$

$$\nu(\text{cm}^{-1}), \text{ } \Delta m = 10$$

$$9m - 1, 2m + 10$$

$$m_2 \left(\frac{t_1}{\omega} \right)$$

$$0 \rightarrow P_L(0) = 0, \quad r_{m-1}$$

$$V_f(g), V_m - 1$$

$$f(0) = \frac{\mu_m - 1}{r}$$

$$q, -r \rightarrow (-r, r) \neq (-r) = c(-r) \neq (-r, r), \quad c(-r) \stackrel{r}{=} m(-r) + w_m - 1$$

$$\psi_1(a) \sim \varepsilon(\varepsilon) + \Delta m - 1$$

$$\rightarrow y\left(\frac{r_{m-1}}{r}\right), \Delta m + 10$$

$$y \in L(\cdot), 0 \leq m+1 \leq \infty$$

$$4 \pm 6, 14 \pm 0m - 1$$

$$f(x) = ax + b$$

$$f(x) + f\left(\frac{1}{x}\right) = (ax+b) + \left(a\frac{1}{x} + b\right) = \frac{ax^2 + (b+x)a + bx}{x} \longleftrightarrow \frac{ax^2 + bx + a}{x}$$

$$f(x), \quad x \rightarrow y$$

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

a. 10

$$Yb, -14, b = (-4)$$

$$1-x \geq 0 \rightarrow x \leq 1 \quad D_f, (-\infty, 1]$$

دائماً

سأنا مستند

$$(1-x)^2 \geq 0 \rightarrow x \leq 1 \rightarrow D_g, (-\infty, 1]$$

$$(x-1)\sqrt{1-x} \rightarrow x \leq 1$$

بجاء من

$$f(-1), g(-1), -1$$

$$(x-1), \ominus \sqrt{(1-x)^2}$$

مستند

$$(x-1)\sqrt{1-x}, (-\sqrt{1-x})^2 \cdot \sqrt{1-x}$$

$$= \sqrt{(1-x)^2 \cdot (1-x)} = -\sqrt{(1-x)^3}$$

$$f(x) \rightarrow x \geq 0 \quad D_f, [0, +\infty)$$

$$D_f, D_g \checkmark$$

$$g(x) \rightarrow x^2 \geq 0 \quad x \geq 0 \rightarrow D_g, [0, +\infty)$$

دائماً

سأنا مستند

$$x \geq 0 \rightarrow \sqrt{x^2}, \sqrt{x^2} \cdot x, |x|\sqrt{x} \rightarrow \boxed{x\sqrt{x} = f(x)}$$

g(x)

$$f(x)\sqrt{x} \rightarrow x \geq 0$$

$$D_f, [0, +\infty)$$

$$f(x) \geq 0$$

$$+ - [+] \rightarrow [0, 1)$$

$$D_f, D_g$$

$$g(x) = \sqrt{x-|x|} \begin{cases} x \geq 0 \checkmark \\ x \leq 0 \checkmark \\ x \geq 0 \checkmark \end{cases} \quad D_g, [0, +\infty)$$

$$x \geq 0 \rightarrow x - |x| = 0$$

$$g(x) = \sqrt{0} = 0$$

سأنا مستند

دائماً

$$f(x), g(x) \geq 0$$

$$D_f, \{0, 1, 2, 3\}$$

$$D_f \cap D_g, \{0, 1, 2, 3\}$$

$$D_g, \{-1, 1, 0, 2, 3, \sqrt{5}\}$$

$$f(1) = 2$$

$$g(1) = 1$$

$$\frac{x-1}{x-1}, (3)$$

$$b) f(x) = 3, g(x) = 3$$

$$\frac{x+3}{x-3}, (\frac{4}{0}) \checkmark$$

$$c) f(0) = 0, g(-1) = 1$$

$$0 \times 1 = 0$$

دائماً

$$a) g(x) = f(\frac{x}{2}-1)$$

$$\frac{x}{2}-1, 2 \rightarrow x, 1$$

$$\frac{x}{2}-1, -1 \rightarrow x, 0$$

$$\frac{x}{2}-1, 0 \rightarrow x, \frac{1}{2}$$

$$\frac{x}{2}-1, -2 \rightarrow x, -\frac{1}{2}$$

$$\frac{x}{2}-1, 3$$

$$(\frac{5}{2}, -1)$$

$$a) \{(1, 1), (0, 1), (\frac{1}{2}, 0), (-\frac{1}{2}, 1), (\frac{5}{2}, -1)\}$$

دائماً

$$b) x, 2 \rightarrow x, 2, -2$$

$$b) \{(1, 1), (-1, 1), (0, 0), (1, -1), (-1, -1)\}$$

$$|x| = -1, -2$$

سأنا مستند