

$$p(x) = \left(\frac{1}{p}\right)^{n-r} \quad |$$

$$y = \sqrt{x^c f(x+1)}$$

$$g_{\mu\nu} \rightarrow \eta_{\mu\nu}$$

$$x^n \not\equiv (n+1) \pmod{p} \rightarrow x^n \times \left(\left(\frac{1}{p} \right)^{n-1} - 1 \right) \pmod{p}.$$

$$\left(\frac{1}{r}\right)^{n-1} = 15 \rightarrow n = 1$$

$$-\phi + \phi - \rightarrow D_f = \begin{bmatrix} 0 & 1 \end{bmatrix}$$

$$P(n) = \sqrt{n+1} \sqrt{n+2}$$

$$f(-u) = \sqrt{-u+1} \cdot |-u+1|$$

$$|n\rangle \rightarrow |n+1\rangle \Rightarrow 1) \langle n | \rightarrow -\langle n - n + 1 = -\langle n+1 \rangle \rightarrow \langle n |$$

$$D_f = (-\infty, -1] \quad \text{r) } x \geq 1 \rightarrow -x - (-x + 1) = -x + x - 1 = -1 \leq -1 \quad \checkmark$$

$$y = \sqrt{\frac{n-1}{f(w)}}$$

1) $f(u) \neq 0 \rightarrow u \neq \gamma, \gamma, -\varepsilon$

$$r) \frac{x-1}{f(x)} \gg \frac{-2 \quad 1 \quad r \quad r}{- \frac{1}{2} + \frac{1}{2} \quad \frac{1}{2} + \frac{1}{2} \quad -} \quad \text{Def: } (-2 \quad 1) \cup (r \quad r)$$

$Dy_1, \dots, Dy_r$

$$\sqrt{-(a+b)} \cdot \sqrt{-c} = \sqrt{(-\varepsilon)} \cdot \sqrt{(\gamma)}$$

$$y_1 = \frac{1}{4x^2 - \sqrt{4x^2 - 8x - 4}} \rightarrow \frac{4x^2 - 4x^2 - x^2 - 8x - 2}{(4x^2 - 4x^2 + 1)} = \frac{-x^2 - 8x - 2}{1}$$

$$y_{r^s} = \frac{1}{(x^r - 1)^r - (x + r)^r} \neq 0 \rightarrow x^r - 1 = x + r$$

$$x^r + ax + b \quad x^r - a - 1 \leq x^r + ax + b \leftarrow x^r - a - 1 \leq x^r - a - 1$$

$$f(x) = x^5 + x$$

~~$$y = \sqrt{f(x) - f\left(\frac{\varepsilon}{n}\right)} \Rightarrow f(x) - f\left(\frac{\varepsilon}{n}\right) = x^2 + x - \left(\frac{4\varepsilon}{n^2} + \frac{\varepsilon}{n}\right) = x^2 + x - \frac{4\varepsilon}{n^2} - \frac{\varepsilon}{n}$$~~

$$q^r - \frac{q^2}{q^r} + n - \frac{2}{q} = \left(n - \frac{2}{q}\right) \left(q^r + \frac{1}{q^r} + 2\right) + \left(n - \frac{2}{q}\right) = \left(n - \frac{2}{q}\right) \left(q^r + \frac{1}{q^r} + 2\right) \lambda.$$

$\frac{x^2 - 2}{x} \rightarrow \frac{-2 \quad 0 \quad 2}{-1 \quad +1 \quad -1 \quad +1} \quad \text{في } [-1, 1] \cup [2, \infty)$

$$f(n^2+n) = r^n - 1$$

$$f(x) \rightarrow x^w + x^s y \rightarrow x^c + x - y \rightarrow + \quad - \quad f(1) \rightarrow x^c + x - 1 \rightarrow x^c + x - 1 - s.$$

$$\begin{array}{r} x^2 + x - 7 \mid n-1 \longrightarrow n=1 \\ \underline{-x^2 + x} \quad \quad \quad \underline{x^2 + x + 7} \quad \quad \downarrow \\ x - 7 \quad \quad \quad \text{discriminant} \quad \quad 4x(1) - 1 = 1 \end{array}$$

$$\frac{a^r - 1}{(a-1)(a^r + 1 + r a)} + (a-1)$$

$$\frac{-n^2 + n}{n-1}$$

$P_X(r) = 1 \text{ s (V)}$

P4PCO

$$f(x) \rightarrow f(1) = 1 + \sqrt{1} = 2$$

Subject :

Year. Month. Date. ()

$$f(x) = x^2 - 4x^2 + 12x \rightarrow f(x) = (x-2)^2 + 1 \quad (V)$$

$$(x-2)^2 = x^2 - 4x^2 + 12x - 1$$

$$g(x) = x^2 + 4x^2 + 12x \rightarrow g(x) = (x+2)^2 - 12$$

$$(x+2)^2 = x^2 + 4x^2 + 12x + 12$$

$$\frac{-12}{1} = -12$$

$$f(x) = \sqrt{x+2} \sqrt{x-2} \rightarrow \sqrt{x-2} + 2\sqrt{x-2} + 2 = \sqrt{(x-2)+2}^2 \quad (A)$$

$$g(x) = \sqrt{x-2} \sqrt{x-2} \rightarrow \sqrt{x-2} - 2\sqrt{x-2} + 2 = \sqrt{(x-2)-2}^2$$

$$f(x) = \sqrt{x-2} + 2$$

$$g(x) = \sqrt{x-2} - 2$$

$$f(x) + g(x) = a + b\sqrt{x+c} \rightarrow \sqrt{x-2} + 2 + \sqrt{x-2} - 2 = 2\sqrt{x-2}$$

$$\frac{a+b}{c} = \frac{0+2}{-2} = \left| \frac{-1}{1} \right|$$

$$a=0, b=2, c=-2$$

$$f(x) = \frac{x+2}{x^2-2x+2} \rightarrow \frac{x+2}{(x-1)(x-1)} \rightarrow D_f = R - \{1, 2\} \quad (9)$$

$$g(x) = \left\{ (2, 1), (1, 0), (0, 2), (0, 2) \right\}$$

$$\frac{g}{f} = ? \rightarrow \left\{ (2, -\frac{1}{2}), (0, \frac{2}{1}) \right\} \rightarrow \left\{ (2, -\frac{1}{2}), (0, 2) \right\}$$

$$f(x) = \left\{ (1, 2), (2, -1), (2, 2), (-1, 2) \right\} \quad (1)$$

$$g(x) = \left\{ (-2, 2), (1, -1), (2, 2), (-1, 0) \right\}$$

$$a) f(x) \rightarrow x=1 \rightarrow x=\frac{1}{2} \quad x=2 \rightarrow x=\frac{2}{1} \quad x=2 \rightarrow x=2 \quad x=1 \rightarrow x=\frac{1}{2}$$

$$f(x) = \left\{ (\frac{1}{2}, 2), (\frac{2}{1}, -1), (2, 2), (-\frac{1}{2}, 2) \right\}$$

$$b) f(x) \rightarrow x=1 \rightarrow x=1 \quad x=2 \rightarrow x=2 \quad x=2 \rightarrow x=2 \quad x=1 \rightarrow x=1$$

$$f(x) = \left\{ (1, 2), (2, -1), (2, 2) \right\}$$

$$c) f(x) + 1 = \left\{ (2, 1), (1, 2), (2, 2), (-1, 2) \right\}$$

$$d) \frac{f}{g} = \left\{ (1, -2), (2, -1), (-1, 2) \right\} \rightarrow \left\{ (1, -2), (2, -1) \right\}$$

$$P4PCO$$

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