

$$\frac{1}{\sqrt{\sqrt{p}-r}} + \sqrt{\sqrt{p}-r} = (\sqrt{p}-f(r)) \quad - \checkmark$$

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

} $\text{عزج} \Rightarrow > \checkmark$

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Chino

$$-x \rightarrow x \quad f(x) = x + x^4$$

$$f(x) = f(-x) \quad \left\{ \begin{array}{l} 1 f(x) - 4 f(-x) = 4x^4 - x \\ 4 f(x) + 1 f(-x) = 4x^4 - x \end{array} \right.$$

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$$y=0 \quad \left\{ \begin{array}{l} 1-m+mx-x^4 = f(x^4) = f^4(x) \\ 1-m+mx-x^4 = (b+ax)^4 \end{array} \right.$$

$$a = +1 \quad a^4 = 1$$

$$a = +1 = 1-m = m^4 = 5-b = 4b$$

$$a = -1 = 1-m+mx-x^4 = b^4 + 4bx - x^4$$

$$1-m = 4b^4 \quad b = m \quad -m = -4b$$

$$f(x) = 1-x$$

$$f(x) = x-1$$

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$$\frac{v}{x} + 1x - x = b + \frac{a}{x} + b + ax$$

$$1 = a = x - \frac{a}{x}$$

$$-4 = b \Rightarrow \text{Cob}$$

$$4b = -14$$

$$v = a \quad u^4 = \frac{1}{x} \text{ ضر}$$

Subject:

1, 70

مستحق برافند

$$\begin{aligned} x-1 &\neq 0 \\ x &\neq 1 \\ x &\neq 0 \end{aligned}$$

الف) نخرج حاصل ضرب صف

$$\frac{x}{x-1} - \frac{x-1}{x} \leq 0$$

$$0 \leq \frac{x(x-1)}{x(x-1)} \quad (1, \frac{1}{x}) \cup \{\frac{1}{x}\} \cup (0, -\infty) = D_f$$

$$(-\infty, 0) \cup [\frac{1}{x}, 1)$$

ب) نخرج \neq او \neq $\frac{x}{(x+2)(x-1)} - \frac{x-2}{x+2} - \frac{x}{x-1} \neq 0$

$$R = \{1, 0, -2\} = D_f$$

ج) $\frac{1}{x} \geq |x| \Rightarrow 1 \geq |x| \Rightarrow 0 \leq x \leq 1$

$2 < |x| \Rightarrow 0 < x < 2$

$$\emptyset = D_f$$

د) $-1 < y = 0 \leq 1+y$

$$0 < x^y - x - y$$

$$0 < (1+x)(y-x)$$

$$\begin{aligned} -1 > x \\ x > y \end{aligned}$$

$$0 > 1 - x^y \Rightarrow |x| \geq 1$$

$$(\infty, 2) \cup (-1, -\infty) = D_f$$

$$(-\infty, -1) \cup (2, \infty)$$

$$0 \leq \frac{x-1}{x+1}$$

$$0 \leq x \leq 1$$

$$(\infty, 1] = D_f$$

IDEA