

**Sub:**

کونکر ہراسی ۲۰ انجیل (نہیاد و سبب قرینہ و صحت) ۱۰ یازدهم دفتران B

$$f(x) = \begin{cases} (a+1)(x+1) & ; x > 1 \\ a+x & ; x \leq 1 \end{cases}$$

$$11 - 10a$$

$$a = -1/4$$

$$\frac{f(x - \sqrt{h})}{a} + \frac{f(x + \sqrt{h})}{b}$$

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

$$ab = \sqrt{(r-\sqrt{r})(r+\sqrt{r})} = 1 \quad a = \frac{1}{b}, b = \frac{1}{a}$$

$$\Delta f(r - \sqrt{u}) = a + b + r \quad \Delta f(r + \sqrt{u}) = b + a + r$$

$$\star \rightarrow r + r(a+b)$$

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

$$(a+b)^2 = a^2 + b^2 + 2ab = 5 \quad \star \quad a+b = \sqrt{5}$$

$$\star\star = r + r\sqrt{e} \quad \checkmark \quad \textcircled{D}$$

(۳)  $f(x)$  را به دست آورید

$$x f(x) - x f(-x) = x^2 - x$$

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

$$-f'(x) + f'(-x) = -f''(x) + x \times \frac{1}{x}$$

$$-r_1 \Delta f(x) = 10x^2 + \frac{1}{5}x$$

$$f(n) = \frac{1}{n} + n$$

$$f_{(0)}$$

$$(x+r)f(x) - r x f(x+r) = r x \frac{-m x}{1+m x} \quad (R)$$

$$x = 5$$

$$sf(0) = 15 + 2 \ln \infty = 1$$

$x = 0$

$$x^m \cdot f(x) = x^{m-1}$$

$$K_m = 1A \quad m = \frac{1A}{K} = \frac{9}{K}$$

$$PF(0) = \frac{PV}{r} = \frac{P}{r}$$

$$f(0) = \frac{10}{3}$$

$$\frac{ax+b}{x} + \frac{a}{x} + b = \frac{ax^2 + a + bx}{x} = \frac{3x^2 - 12x + 3}{x}$$

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

$$x \Rightarrow 1 \rightarrow 2f(-1) = 3 + 12 + 3$$

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

$$f(x) = (x-1)\sqrt{1-x}$$

$$1-x \geq 0 \Rightarrow 1 \geq x$$

(6) تساوی برسی شود

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

$$D_f = D_g \rightarrow 1 \geq x$$

$$R_f = R_g \rightarrow$$

مساوی

$$g(x) = -\sqrt{(1-x)^3(1-x)} = \frac{-(1-x)\sqrt{(1-x)}}{x=1} = (x-1)\sqrt{1-x}$$

$$f(x) = x\sqrt{x}$$

$$x \times x^{\frac{1}{2}} = x^{\frac{3}{2}}$$

$$x \times x^{\frac{1}{2}} = x^{\frac{3}{2}}$$

(7) برسی تساوی

$$g(x) = \sqrt{x^3}$$

$$x^{\frac{3}{2}}$$

مساوی

$$f(x) = \left[ \sqrt{x} - \left[ \sqrt{x} \right]_{\text{v.v.}} \right]$$

$$R = \{0\}$$

$$\sqrt{x} \rightarrow x \geq 0$$

(8) تساوی برسی شود

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

$$x > 0 \rightarrow 0$$

$$D_g \Rightarrow x > 0 \quad R = \{0\}$$

مساوی

$$F = \{(1,2), (2,3), (3,1), (0,0)\}$$

$$g = \{(-1,1), (1,1), (2,3), (3,5), (0,2), (\sqrt{5},1)\}$$

1/9

$$\text{الف) } \left[ \frac{f+g}{f-g} \right](1) \rightarrow \frac{(1,3)}{(1,1)}$$

$$\left[ \frac{f+g}{f-g} \right](2) \rightarrow \frac{(2,5)}{(2,0)} \rightarrow \frac{5}{0} \quad X$$

$$\text{ج) } f(0)g(-1) \quad (0,0) \quad (1,1)$$

$$1 \times 0 = 0$$

$$(2,1), (-1,2), (0,5), (-2,2), (3,-1)$$

$$\text{الف) } g(x) = f(x-1)$$

$$-1 = 3x-1 \quad x=0$$

$$(0,2)$$

$$\left( -\frac{1}{3}, 2 \right)$$

$$2 = 3x-1 \quad x=1$$

$$(1,1)$$

$$\left( \frac{5}{3}, -1 \right)$$

$$0 = 3x-1 \quad x = \frac{1}{3}$$

$$\left( \frac{1}{3}, 5 \right)$$

$$\left( \frac{5}{3}, -1 \right)$$

$$g(x) \quad (1)$$

$$\text{ب) } h(x) = f(|x|) \quad h(x) = \{(0,5), (1,2), (-1,2), (-3,1), (3,1)\}$$

$$|x| = 2 \quad x = \pm 2$$

$$|x| = 3 \quad x = \pm 3$$