

۲۰. آمیزش عالی فوس

در قدر الفیضی دارم چون
۸۶۸ است.

人々、人々

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$$\rightarrow x = \mu \rightarrow \frac{\kappa}{-1} = -\kappa$$

لے کر تفریف
جنس، صفت

②

والمجموع = 1, 3, 4, -1

$$\begin{aligned} \alpha^{\mu} &= \mu, \quad u = \pm \sqrt{\mu} \\ \alpha^{\mu} &= \mp, \quad u = \pm \mp \\ \alpha^{\mu} &= 1 \rightarrow u = \pm 1 \\ \alpha^{\mu} &\neq -1 \end{aligned}$$

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تاریخ سنہ ۱۳۸۵

$$g(u) = \{(-1, u), (1, -1), (u, 1), (-1, 0)\}$$

$$g(u) = \{ (w, 1), (u, 3), (-v, 4), (-1, 2), (v, 3) \}$$

$$+ g(u) = \{(1, 3), (-1, 4), (1, 4)\}$$

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$${}^{\mu}\alpha_{7,0} \rightarrow \alpha_{7,0}$$

$\rightarrow x \in \mathbb{Z} \Rightarrow [x] + [-x] = 0 \checkmark$
 $\rightarrow x \notin \mathbb{Z} \Rightarrow [x] + [-x] = -1 \times$

صحن:

$f(x) = \sqrt{ax - x^2 - F} \rightarrow ax - x^2 - F \geq 0 \rightarrow x^2 - ax + F \leq 0 \rightarrow (x-1)(x-F) \leq 0$ $g(x) = \{(0,3), (0,2), (0,4), (a,1)\}$ $h(x) = \frac{f(x)}{g(x)} = \{(1,0), (2, \frac{\sqrt{14}}{2}), (F, 0)\}$ $f(1) = \sqrt{a-1-F} = 0$ $f(2) = \sqrt{10-F-F} = \sqrt{10}$ $f(F) = \sqrt{10-14-F} = 0$ $\frac{1}{+p-1+}$ $\frac{1}{+p-1+}$	6
$y = \frac{x^p - p x^{p-1} + p x - 1 + 1}{(x-1)^p} \rightarrow y = (x-1)^p + 1 \rightarrow y-1 = (x-1)^p \rightarrow \sqrt[p]{y-1} = x-1 \rightarrow x = \sqrt[p]{y-1} + 1$ $[R_f = \mathbb{R}]$ $y = \frac{1}{x^p - p x} \rightarrow y x^p - p x y = 1 \rightarrow x^p + x = \frac{1}{y} \rightarrow x^p - p x + 1 = \frac{1}{y} + 1 \rightarrow (x-1)^p = 1 + \frac{1}{y}$ $x-1 = \pm \sqrt[1+\frac{1}{y}}{1 + \frac{1}{y}} \rightarrow x = \pm \sqrt[1+\frac{1}{y}}{1 + \frac{1}{y}} + 1 \rightarrow 1 + \frac{1}{y} \geq 0 \rightarrow \frac{y+1}{y} \geq 0$ $\frac{1}{+p-1+}$ $[R_f = (-\infty, -1] \cup (0, +\infty)]$	7
$a) y = x^p - F x + 10$ $a > 0 \quad \frac{-b}{pa} = \frac{-F}{p} = p \rightarrow F - 1 + 10 = 9 \quad [R_f = [9, +\infty)]$ $b) y = -x^p + 4x + p$ $a < 0 \quad \frac{-b}{pa} = \frac{-4}{-p} = \frac{4}{p} = p \rightarrow -9 + 11 + p = p \quad [R_f = (-\infty, 11]]$ $c) y = \sqrt{x^p - F x - p}$ $\frac{-b}{pa} = \frac{-F}{p} = p \rightarrow F - 11 - p = -9 \rightarrow [-9, +\infty) \rightarrow \sqrt{[-9, +\infty)} \Rightarrow [R_f = [0, +\infty)]$ $d) y = \sqrt{4x - x^2}$ $a < 0 \quad \frac{-b}{pa} = \frac{-4}{-p} = \frac{4}{p} = p \rightarrow -9 + 11 = 2 \rightarrow (-\infty, 2] \rightarrow \sqrt{(-\infty, 2]} \Rightarrow [R_f = [0, 2]]$	8
$a) y = x^p - ax^p + p x + 1 \rightarrow [R_f = \mathbb{R}]$ $b) y = x^p - 4x^p + p x + p \rightarrow [R_f = \mathbb{R}]$ $c) y = \sqrt{x^p - 4x^p + 4x + 1} \rightarrow \sqrt{(-\infty, +\infty)} \Rightarrow [R_f = [0, +\infty)]$ $d) y = (x^p - F x^p + p x + 1)^p \rightarrow (-\infty, +\infty)^p \Rightarrow [R_f = [0, +\infty)]$	9
$a) y = \frac{p x + 1}{x - p} \rightarrow \mathbb{R} - \left\{ \frac{a}{c} \right\} = \mathbb{R} - \left\{ \frac{1}{p} \right\}$ $b) y = \frac{p x + 1}{x + 1} \rightarrow \mathbb{R} - \left\{ \frac{a}{c} \right\} = \mathbb{R} - \left\{ \frac{1}{p} \right\}$	10