

یازم دختر

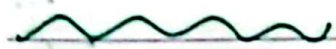
مراتب آقای

تلفین شماره ۵

1.

$$x^p \left(\left(\frac{1}{p} \right)^{x-1} - 1 \right) \gg 0 \rightarrow \frac{1}{-\phi + \phi}$$

$$Df = [0, 1]$$



$$\sqrt{-x + 1 - x} \rightarrow -x - x + p \quad x < p \rightarrow -px + p \geq 0 \rightarrow -px \geq -p \rightarrow x \leq 1$$

$$-x + x - p \rightarrow x \geq p \rightarrow \text{غیر قابل تحقق} \rightarrow Df = (-\infty, 1]$$



$$\begin{array}{c} -\infty \quad -p \quad 1 \quad p \quad p \\ \hline -\phi + \phi \quad -\phi + \phi \end{array}$$

$$(-p, 1] \cup (p, p)$$

3.

s.a.m

$$cxb = -\mu \rightarrow c = 1, b = -\mu$$

$$(10x^P + ax + b)(10x^P + b'x + c) = 9x^P - 10x^P - 1x - \mu$$

$\Delta \langle \cdot \rightarrow c \rangle \cdot \rightarrow \mu \langle c \rangle \cdot$

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پولینوم/گزارش

پولینوم $10x^P$

$$(10x^P + ax - \mu)(10x^P + b'x + 1) = 9x^P + 10bx^P + 10ax^P + ax + abx^P - 9x^P$$

$$-10bx - \mu = 9x^P - 10x^P - 1x - \mu$$

$$10bx^P = -10ax^P \rightarrow a = -b \rightarrow a = -1, b = 1$$

$$-9x^P + abx^P = -10x^P \rightarrow ab = -1$$

$$-10bx + ax = -1 \rightarrow a = -1, b = 1$$

$$\sqrt{-(a+b)} = \sqrt{-(-1+1)} = \sqrt{0} = 0$$

$$(x^P - \frac{10}{x^P}) + (x - \frac{1}{x}) \gg \cdot \rightarrow (x - \frac{1}{x})(x^P + \frac{10}{x^P} + 1) \gg \cdot \rightarrow (x^P - 1)(x^P - 5)$$

$$(x - \frac{1}{x})(x^P + \frac{10}{x^P} + 1)$$

$\begin{matrix} \swarrow & \searrow \\ P & -P \end{matrix}$

$$\begin{array}{c} -P \quad P \\ + \quad - \quad + \end{array} \rightarrow Df = (-\infty, -P] \cup [P, +\infty)$$

$$x^P + x = 1 \rightarrow x = P \rightarrow f(P) = V$$

$$x^P + x = P \rightarrow x = 1 \rightarrow f(1) = 1 \quad \left\{ \begin{array}{l} \text{---} \end{array} \right\} \wedge$$

.6

$$x^P - 9x^P + 10x - 1 + 1 \rightarrow (x - P)^P + 1 \rightarrow (\sqrt{P} + \frac{1}{\sqrt{P}})^P + 1 = 1$$

.7

$$x^P + 9x^P + 10x - PV + PV \rightarrow (x + P)^P - PV \rightarrow (\sqrt{P} - \frac{1}{\sqrt{P}})^P - PV = -P$$

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

$$\frac{x+P}{x^P - Px + P} \rightarrow x \neq P, x \neq 1 \rightarrow (P, -\frac{1}{P})(\cdot, \cdot)$$

.9

$$\frac{P}{\dots + P} = \frac{P}{P} \quad \frac{P}{P - 1 + P} = -P$$

sam

$$\text{الف) } p x = 1 \rightarrow x = \frac{1}{p}$$

.10

$$p x = p \rightarrow \frac{p}{p} = x$$

$$p x = p \rightarrow x = p \rightarrow f(x) = \left\{ \left(-\frac{1}{p}, 9 \right), \left(\frac{1}{p}, p \right), \left(\frac{p}{p}, -1 \right), (p, p) \right\}$$

$$p x = -1 \rightarrow x = -\frac{1}{p}$$

$$\text{ب) } x^p = 1 \rightarrow x = \pm 1$$

$$x^p = p \rightarrow x = \pm \sqrt[p]{p}$$

$$x^p = -1 \rightarrow \text{قوة زوجة}$$

$$x^p = p \rightarrow x = \pm p$$

$$\rightarrow f(x^p) = \left\{ (\pm \sqrt[p]{p}, -1), (\pm p, p), (\pm 1, p) \right\}$$

$$\text{ج) } p g^p(x) + 1 = \left\{ (-p, 9), (1, p), (p, 19), (-1, 1) \right\}$$

$$\text{د) } \left\{ (1, -p), (p, -1) \right\}$$

Subject:

Date:

$$\sqrt{x-k}\sqrt{x-k} + \sqrt{x+k}\sqrt{x-k} = A \rightarrow x - \cancel{k}\sqrt{x-k} + x + \cancel{k}\sqrt{x-k} = A \quad .8$$

$$P \sqrt{(x-k)\sqrt{x-k}}(x+k\sqrt{x-k}) \rightarrow Px - 19 + Px = kx - 19 = A^P \rightarrow \sqrt{kx - 19} = \sqrt{A^P}$$

$$x^P - (k\sqrt{x-k})^P \rightarrow x^P - 19x + 9k = \sqrt{(x-k)^P} \Rightarrow Px - 19$$

$$\downarrow$$

$$19(x-k) \rightarrow 19x - 9k$$

$$P\sqrt{x-k} = A$$

$$c = -k, b = P, a = .$$

$$\frac{. + P}{-k} = \left(-\frac{1}{P} \right)$$