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۲	۲. به متغیر یک به معادله بدون ریشه حقیقی
۳	۳. جواب = $\emptyset$ ۳. جواب = $(-1, 2)$
۴	۴. جواب = $m \in \mathbb{R}$ ۴. جواب = $m < 2$
۵	۵. جواب = $n = \frac{3}{4}$

$$y = \frac{(r_n r - r_{n-1})(r_n r - r_{n-1} - \Delta)}{1 - n r}$$

$$\begin{array}{r} r_n r - r_{n-1} - \Delta \quad | \quad n+1 \\ - r_n r + r_n \quad | \quad r_n - \Delta \\ \hline - \Delta n - \Delta \\ \Delta n + \Delta \\ \hline \end{array}$$

$$\begin{array}{r} r_n r - r_{n-1} - 1 \quad | \quad n-1 \\ - r_n r + r_n \quad | \quad r_{n+1} \\ \hline n-1 \\ - n-1 \\ \hline 0 \end{array}$$

$$\frac{(n+1)(r_n - \Delta)(-1)(r_{n+1})}{(1-n)(1+n)}$$

$$y = -4n^2 + 12n + \Delta$$

$$y_5 = \frac{-\Delta}{4a} = \frac{144 + 12 \cdot 0}{4 \cdot 2} = \frac{144}{8}$$

6

$$rS = \Delta p + V$$

$$r\left(\frac{m+r}{m}\right) = \Delta\left(\frac{r}{m}\right) + V$$

$$\frac{r_{m+r}}{m} = \frac{-10 + Vm}{m} \rightarrow r_{m+r} = -10 + Vm$$

$$14 = r_m$$

$$\varepsilon = m$$

$$\alpha r + \beta r =$$

$$(\alpha + \beta)^r - r_{\alpha\beta}$$

$$5^r - r_p$$

Y

$$f_n r - 4n - r = 0 \rightarrow S = \frac{r}{r}, p = -\frac{1}{r} \rightarrow \frac{q}{2} + 1 = \frac{1}{\varepsilon}$$

$$x^r - \Delta n + r = 0$$

$$(\alpha + \beta) = \Delta, \alpha\beta = r$$

$$\frac{r_{\alpha} + \beta \Delta}{\alpha \beta r} = ? \Rightarrow \alpha\beta = r \rightarrow \beta = \frac{r}{\alpha} \xrightarrow{r \text{ is } r} \beta^r = \frac{\varepsilon}{r} \xrightarrow{\Delta} \alpha \beta^r = \frac{r}{\alpha r}$$

$$\frac{r_{\alpha}}{\alpha \beta^r} + \frac{\beta^r}{\Delta} \Rightarrow \frac{\frac{r_{\alpha}}{1}}{\frac{r_0}{\alpha r}} = \frac{\alpha^r}{\Delta} + \frac{\beta^r}{\Delta} = \frac{r^r}{\Delta} \rightarrow \frac{(\alpha + \beta)^r - r_{\alpha\beta}(\alpha + \beta)}{\Delta} = \frac{12\Delta - r_0}{\Delta} = \frac{9\Delta}{\Delta} = 9$$

A

$$y = r_n + 1 \begin{cases} x = r \rightarrow y = 12 \\ x = -r \rightarrow y = r \end{cases}$$

$$y = ax^r + bn + \varepsilon \xrightarrow{x=r} ra + rb + \varepsilon = 12 \rightarrow ra + rb = 10 \rightarrow ra + \frac{r_0}{\Delta} = \Delta \rightarrow \Delta a = \Delta \rightarrow a = 1, b = r$$

$$y = an^r + bn + \varepsilon \xrightarrow{n=-r} -ra^r - rb + r = r \rightarrow -ra^r - rb = 0 \rightarrow b = ra$$

$$y = x^r + r_n + \varepsilon \xrightarrow{C(1, \frac{1}{2}, \frac{1}{3})} \frac{-b}{ra} = \frac{-r}{r \cdot 1} = \frac{-r}{r} = -1$$

9

$$r_n r + (m+1)n + m + 4 = n$$

$$r_n r + mn + m + 4 = 0$$

$$\Delta = m^r - \varepsilon(r)(m+4) = m^r - 12m - r = 0$$

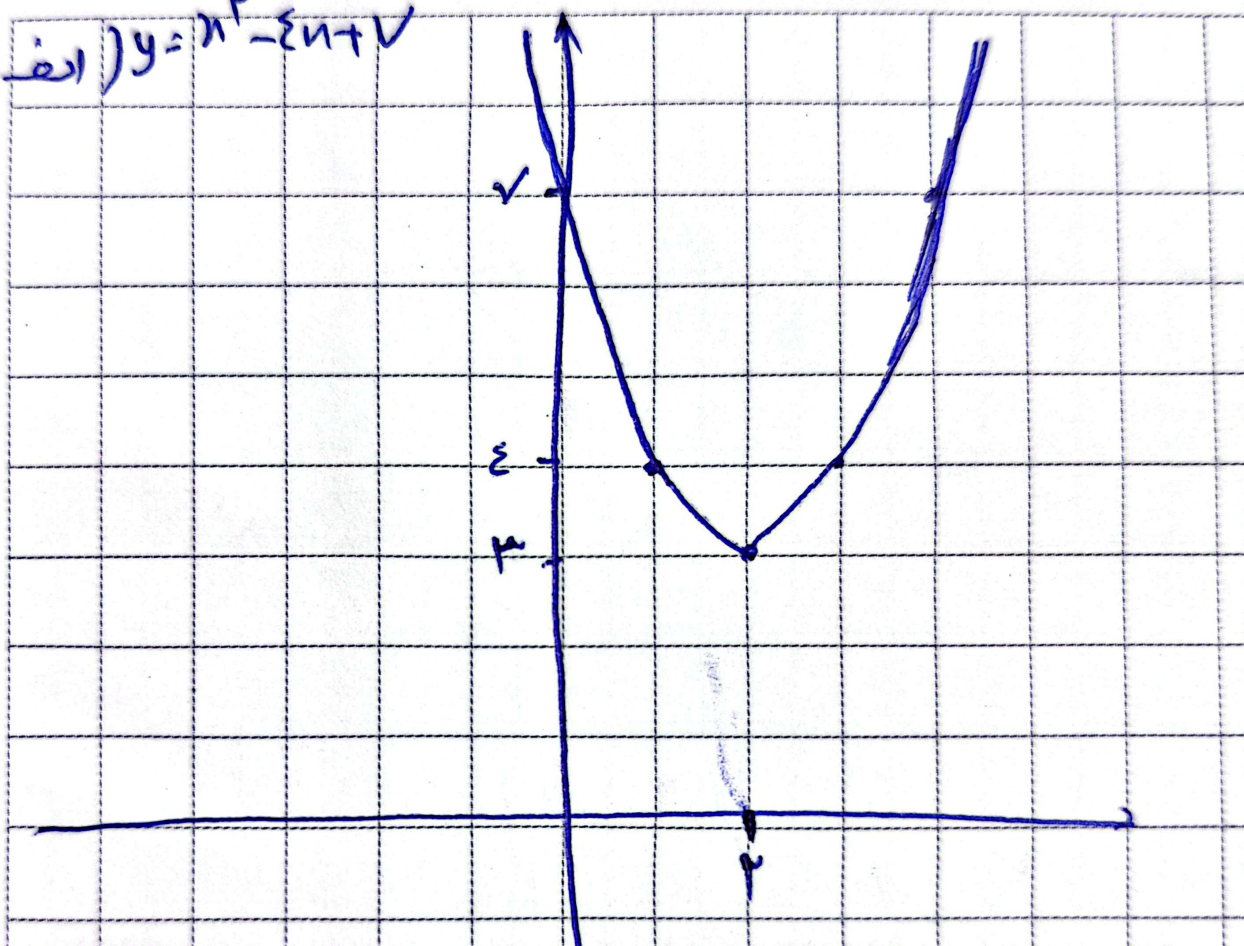
$$(m-12)(m+4) \rightarrow x_5 > 0 \rightarrow \frac{-m-1}{r} > 0 \rightarrow m < -1$$

$$m = 12 \times$$

$$m = -1 \checkmark$$

1.

الف) $y = x^2 - 5x + 4$



$$\rightarrow y = -x^2 + 8x - 1$$

