

$$\frac{1-\delta}{r} = -r \Rightarrow ms \checkmark$$

$$y = a \left(\frac{m}{r} - \frac{ms}{-r} \right) r + y_s$$

$$\frac{r}{r} = r a - \frac{1}{r} \quad \boxed{asr}$$

$$y = r m^r + \lambda + \lambda m - \frac{1}{r}$$

$$\left(\begin{matrix} r \\ 0 \end{matrix} \right) m^r + r + r a - \frac{1}{r}$$

$$y = m^r + r m + r, \forall \delta$$

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$$\alpha = \frac{1}{r} \rightarrow (1, \beta) \in f(\pi) \rightarrow \beta = \frac{1}{r} (1+r)^r - \frac{1}{r} \rightarrow \beta = \xi$$

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$$m^r + y m + a s \cdot \begin{cases} \alpha = -r + \sqrt{9-a} \rightarrow \alpha^r = 1 - a - 4\sqrt{9-a} \\ \beta = -r - \sqrt{9-a} \rightarrow \beta^r = 1 - a + 4\sqrt{9-a} \end{cases}$$

$$r \alpha^r + r \beta^r = 9 - a - 4\sqrt{9-a} = 12\sqrt{r} + \lambda a \rightarrow a + 4\sqrt{9-a} = a + 4\sqrt{r}$$

$$\rightarrow \boxed{a = 1}$$

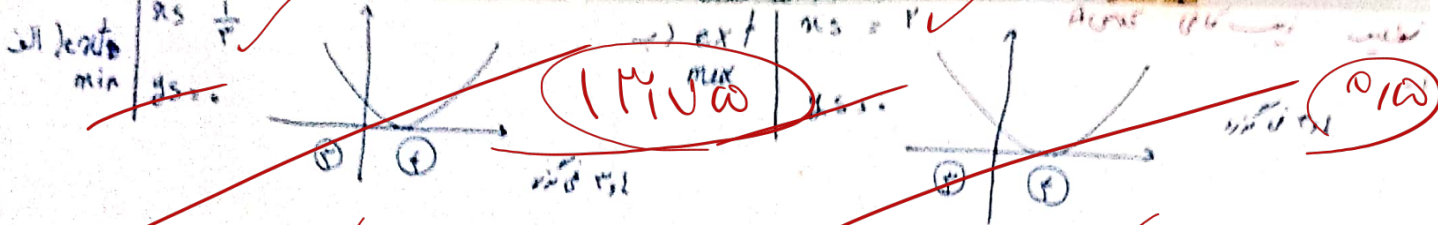
$$\frac{1}{\sqrt{\alpha}} + \frac{1}{\sqrt{\beta}} = a \rightarrow \frac{\sqrt{\alpha} + \sqrt{\beta}}{\sqrt{\alpha\beta}} = a \rightarrow \sqrt{\alpha} + \sqrt{\beta} \leq \sqrt{\alpha\beta}$$

1.

$$s + r\sqrt{p} = r a p \rightarrow s + r\sqrt{\frac{1}{r^2}} = \frac{r a}{r^2} \rightarrow s = \frac{r a}{r^2} - \frac{1}{r} = \frac{1r}{r^2}$$

$$\rightarrow \frac{m + r}{r^2} = \frac{1r}{r^2} \rightarrow \boxed{ms = 1}$$

$$m m^r + r m + r = -m^r + r m + r \rightarrow p = -r$$



ext min $ax = \frac{b}{f}$ ✓
 $ys = -\frac{(14 - 2x - 10 - 1)}{-f} = 1$

ext max $ax = -\frac{b}{-f} = 1$ ✓
 $ys = -f + 2x - 1 = 1$

$x^2 - x - 1 = 0$
 $\frac{-b}{a} = +1 \Rightarrow +$
 $\frac{c}{a} = -1 \Rightarrow x$
 $\frac{\alpha + \beta}{\alpha - \beta} = \frac{+1}{\frac{\sqrt{\Delta}}{2a}} \Rightarrow \frac{\sqrt{17}}{1} = \frac{1}{\sqrt{17}} = \frac{\sqrt{17}}{17}$

$\alpha + \beta = 1$
 $\alpha - \beta = \frac{\sqrt{\Delta}}{2a} = \sqrt{17}$
 $\frac{\alpha + \beta}{\alpha - \beta} = \frac{1}{\sqrt{17}}$

$\alpha^r + \beta^r \Rightarrow (\alpha + \beta)^r - r\alpha\beta = 1 - 1 = 0$ ✓
 $\alpha^r + \beta^r = s^r - rSP = 1^r - 1 \times |x - 1| + 1 = 1$
 $\alpha^r - \beta^r = \frac{(\alpha + \beta)(\alpha^r + \beta^r + \alpha\beta)}{\frac{\sqrt{17}}{17}} = \frac{1(1 + 1 - 1)}{\frac{\sqrt{17}}{17}} = \frac{1}{\sqrt{17}}$

$(\alpha - \beta)(\alpha^r + \beta^r + \alpha\beta) = \sqrt{17}(1 - 1) = 0$
 $\epsilon \sqrt{17}$

$y = (a - r)(m^r - am + a)$
 $m = r$
 $a^r - fa <$
 $a(a - \epsilon) <$

$\alpha < \epsilon$
 $\Delta = 0$
 $n^r - \epsilon n + \epsilon = (n - \epsilon)^r$
 $a = \epsilon$

$\alpha + \beta = f$
 $\alpha\beta = -\frac{a}{r}$
 $\beta = f - \alpha$

$\alpha = 3$
 $\beta = -9$
 $\frac{-4}{r} = -1$

$(f - \alpha)^r - \alpha^r - f(f - \alpha) = v$
 $r\alpha^r + 14 - 14\alpha + \alpha^r - f\alpha = 7$
 $r\alpha^r - 14\alpha + 14 = 7$
 $r\alpha^r - 14\alpha + 9 = 0 \Rightarrow \alpha^r - f\alpha + r = 0$
 $(\alpha - 1)(\alpha - 5) = 0$

$\alpha = 1$
 $\alpha = 5$

$\frac{v - r\alpha + r\alpha + r}{r} = b = a \Rightarrow ns \Rightarrow ys = r$
 $(a, r) \Rightarrow \epsilon, 0, 1 - x \Rightarrow \alpha \Rightarrow n < x \Rightarrow \text{sub}$

$\alpha = \frac{1}{\lambda}$

$an^r - am - bs$
 $\alpha + \beta = \frac{a}{a} = 1$
 $\alpha + \beta = 1 \Rightarrow \alpha = 1 - \beta$
 $f \cdot (1 - \alpha)^r + r \cdot \alpha^r - r \cdot (1 - \alpha) = 14$
 $4 \cdot \alpha^r - 4 \cdot \alpha + r = 0 \Rightarrow \alpha^r - \alpha + \frac{r}{4} = 0 \Rightarrow 1 - f(1)(\frac{1}{4}) = \frac{r}{4}$
 $|\alpha_1 - \alpha_2| = \frac{\sqrt{\Delta}}{2a} = \frac{r}{4} = \frac{r}{\sqrt{16}}$

$\alpha = \frac{1}{\lambda}$