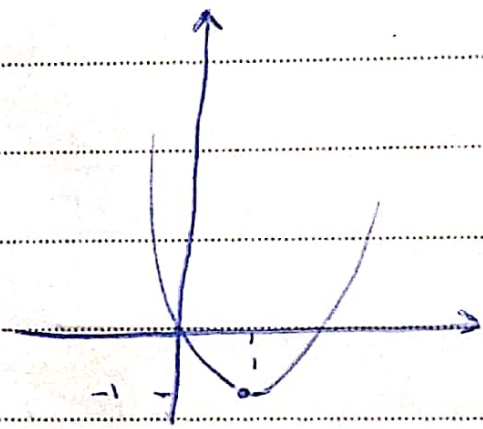


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آرمان کلاس (1)

min ext

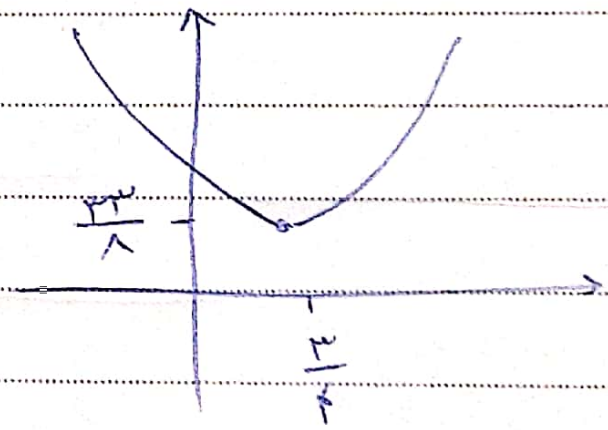
$$\begin{cases} \frac{K}{K} \leq 1 \\ Y - K \leq 1 \end{cases}$$



25

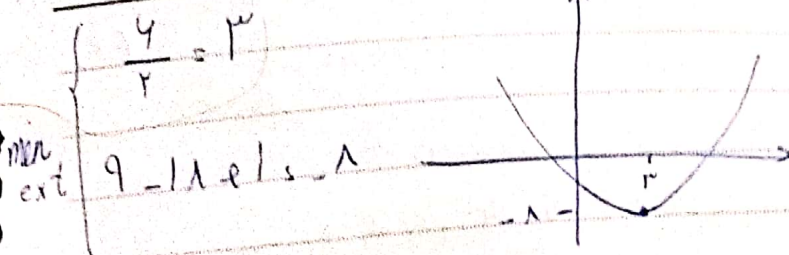
max ext

$$\begin{cases} \frac{-K}{-K} = \frac{K}{K} \\ \frac{9 - Kx - 2x - d}{-1} \leq \frac{Kx}{1} \end{cases}$$

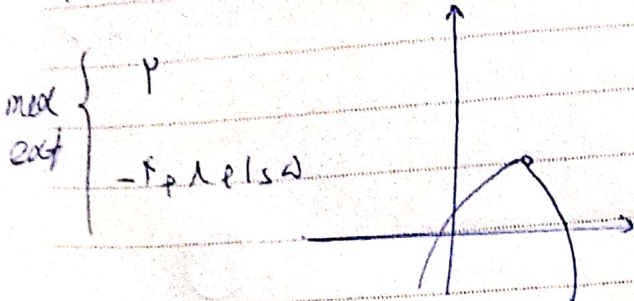


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سوال ۲



سوال ۳ معادله درجه ۳ است پس ۳ جواب دارد

$$\alpha \beta r s + \frac{c}{a} s - \frac{r}{f} s - \frac{1}{r}$$

$$-\alpha \beta r s - (-r) r s - \frac{1}{r} r = r s - \frac{1}{r}$$

$$f \times \left(-\frac{1}{f}\right)^3 + k \left(\frac{1}{f}\right)^3 - 9 \left(-\frac{1}{f}\right) - r \Rightarrow k s - 3$$

سوال ۴

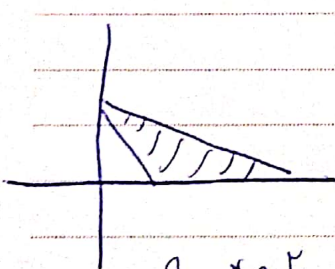
اختلاف درجه ۲

$$\frac{\sqrt{\Delta}}{|a|} = \frac{\sqrt{9m^2 - 4\alpha \lambda m}}{1} = \sqrt{9m^2 - 4m}$$

$$\sqrt{9m^2 - 4m} \leq 1 \rightarrow \alpha = \frac{4p \sqrt{0r}}{1\lambda}$$

$$\frac{c}{a} = -\frac{m}{r} \rightarrow \frac{-(4p \sqrt{0r})}{9} = \frac{\sqrt{0r}}{-9}$$

سوال ۵



$$2n^2 - (m+r)n + m s = 0 \rightarrow \frac{m}{r}$$

$$\frac{m \left(\frac{m}{r} - 1\right)}{r} \leq \frac{\mu}{f r} \quad m s = \frac{1}{r}$$

سوال ۶

$$\frac{9 - 4a^2}{4a} \leq \frac{v}{4r} = \frac{9 - 4a^2}{4} \leq \frac{va}{r}$$

$$1\lambda - 1\alpha^2 + va s = 0 \Rightarrow \boxed{\alpha \leq 1}$$

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$$P_s(m)(m+r) = a \Rightarrow$$

حل

$$\rightarrow r^m - (a+1)r + a = 0 \xrightarrow{\text{...}} \begin{cases} \rightarrow a \Rightarrow r = \dots \end{cases}$$

$$S_s r^{m+r} = a+1 \quad r^{m+r} = r \quad r^m = r \quad m = 1$$

$$r - ra - r + b = 0 \quad -a + b = 0 \quad b = a$$

$$a = 1 = a$$

10: حل

$$-ar^m + am + r \rightarrow S\left(\frac{1}{r}, \frac{ar^m + 1a}{ra}\right)$$

$$rbm^r - bm - 1 \rightarrow S\left(\frac{1}{r}, \frac{b^r + 1b}{-1b}\right)$$

$$15 \quad rb\left(\frac{1}{r}\right) - b\left(\frac{1}{r}\right) - 1 = \frac{a}{r} e^r \rightarrow \frac{a}{r} s - r \quad as - 1r$$

$$-\frac{a}{1r} + \frac{a}{r} + rs - \frac{b}{1} - 1 = +1r \quad s - \frac{b}{1} \quad bs - r$$

$$b - a s - r + 1r = r$$

$$20 \quad \alpha \beta = \frac{\beta}{r\alpha} = \alpha^r \cdot \frac{1}{r\alpha} \quad \alpha s + \frac{1}{\alpha} \quad (9)$$

$$r = \alpha \rightarrow r\alpha \alpha \frac{1}{r\alpha} + r\alpha + \beta = 0$$

$$\alpha\alpha + \beta = 0 \quad \beta > \alpha \quad \alpha = -\frac{1}{\alpha} \quad \beta = 1$$

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$$s = ar + b^r - 1r = a + B \quad (10)$$

$$p = a + b - 1 = ab$$

$$30 \quad ar + b^r, \underbrace{(a+b)^r}_{y^r} - \underbrace{rab}_{\frac{(a+b-1)}{y}}$$

$$y^r - ry + r - 1r = 0$$

$$y^r - ry - 1 = 0$$

$$(y+r)(y-r) = 0$$

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