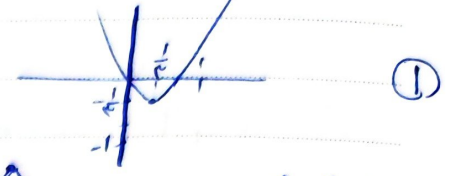


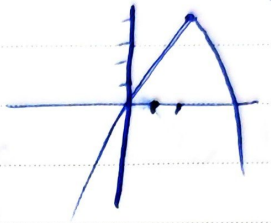
مساویات درجه دوم - A

الف) $ax^2 + bx + c = 0$ $\frac{-b}{2a} < x < \frac{-b}{2a} - \frac{\sqrt{\Delta}}{2a}$



$x_{1,2} \rightarrow y_{1,2}$

ب) $ax^2 + bx + c = 0$ $\frac{-b}{2a} < x < -\frac{b}{2a} + \frac{\sqrt{\Delta}}{2a}$

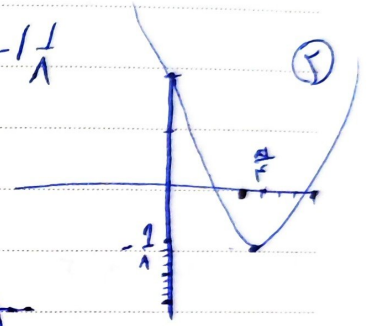


نیمه اول

$x_{1,2} \rightarrow y_{1,2}$

نیمه دوم

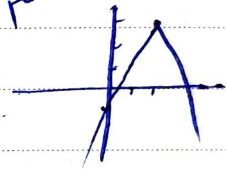
الف) $ax^2 + bx + c = 0$ $\frac{-b}{2a} < x < \frac{-b}{2a} + \frac{\sqrt{\Delta}}{2a}$ $\frac{-b}{2a} < x < \frac{-b}{2a} - \frac{\sqrt{\Delta}}{2a}$



$x_{1,2} \rightarrow y_{1,2}$

نیمه اول و دوم

ب) $ax^2 + bx + c = 0$ $\frac{-b}{2a} < x < -\frac{b}{2a} - \frac{\sqrt{\Delta}}{2a}$



نیمه اول و دوم

الف) $\frac{1}{\sqrt{a}} = \frac{\sqrt{a}}{a}$

$\frac{p}{a} < x < \frac{p}{a} + \frac{\sqrt{\Delta}}{a}$ $\frac{p}{a} < x < \frac{p}{a} - \frac{\sqrt{\Delta}}{a}$

ب) $x^2 - px + 1 - 2x - 2 = 0$

ج) $x^2 - px + 1 - 2x - 2 = 0$

د) $(\frac{p-B}{\sqrt{a}})^2 + 2\alpha B(\alpha-B) \sqrt{a} + 2x - 2(\sqrt{a}) > 1\sqrt{a} - 9\sqrt{a} > 4\sqrt{a}$

$y = (x-r)(x^2 - ax + a)$

$a^2 - 4a < 0$ $a(a-4) < 0$ $0 < a < 4$

$$r\alpha^r - (r\alpha - a)s_0 \quad \alpha + \beta s \frac{-b}{a} s^r \quad \beta s^r - \alpha \quad -2$$

$$r\alpha^r + \beta^r - r\alpha s^r \quad r\alpha^r + (r-\alpha)^r - r\alpha - r s_0 \quad r\alpha^r - (r\alpha + a)s_0 \rightarrow \alpha^r - r\alpha + r s_0 (\alpha - 1)(\alpha - r) s_0$$

$$\alpha s^r \quad r - r - a s_0 \quad a s - q \quad \alpha < r$$

$$a - r > 0 \quad a > r \quad (r) \dots \dots \quad A(9,1) \quad -4$$

$$v - r\alpha > 0 \quad r\alpha > a \quad a s^r \quad B(1,1)$$

$$\frac{q+1}{r} s^d \quad y s^m (n-2)^r + r$$

$$l s^l q m + r \rightarrow m s - \frac{1}{r}$$

$$y(s) s = \frac{r\alpha}{r} + r s = \frac{1}{r} \rightarrow \left(\frac{1}{r}\right)$$

$$\alpha + \beta s \frac{-(-a)}{a} s^r \quad \alpha \beta s \frac{-b}{a} \quad -v$$

$$r - (-a)^r + r \alpha^r - r \alpha (r\alpha) s^r (v -) \quad r \alpha^r - r \alpha + r s_0 \rightarrow \alpha^r - \alpha + \frac{1}{r} s_0$$

$$\Delta s \frac{r}{a} \quad |\alpha_1 - \alpha_r| s \frac{\sqrt{\Delta}}{|a|} s \frac{r}{1} s \frac{r}{\sqrt{\Delta}} s \frac{r\sqrt{a}}{a}$$

$$\frac{d+1}{r} s - r \quad y s = -\frac{1}{r} \quad (s \frac{r}{r} \quad -r s \frac{-b}{ra} \quad b s^r a \quad -1$$

$$y s a r^r + b r + \frac{r}{r} \quad (r a - r b + \frac{r}{r} s - \frac{1}{r} \rightarrow b - r b s - \frac{r}{r} \quad -b s - r b s^r a s \frac{1}{r}$$

$$y s \frac{1}{r} r^r + r a + \frac{r}{r} \quad \frac{1}{r} r^r + r r + \frac{r}{r} s^r = \beta$$

$$\lambda^r + 4\mu + a s_0 \begin{cases} \alpha s - r + \sqrt{9a} \rightarrow \alpha^r s \sqrt{11-a-4\sqrt{9-a}} & -9 \\ \beta s - r - \sqrt{9-a} \rightarrow \beta^r s \sqrt{11-a+4\sqrt{9-a}} \end{cases}$$

$$\alpha^r + \beta^r s \sqrt{9-a} - \sqrt{9-a} s \sqrt{11-a} \rightarrow \alpha + 4\sqrt{9-a} s \sqrt{11-a} + 4\sqrt{11-a}$$

$$9-a = 11-a \quad a=1$$

$$\frac{1}{\sqrt{a}} + \frac{1}{\sqrt{b}} s d \rightarrow \frac{\sqrt{a} + \sqrt{b}}{\sqrt{ab}} s d \rightarrow \sqrt{a} + \sqrt{b} s d \sqrt{ab} \quad -19$$

$$s + r\sqrt{p} s \sqrt{p} \rightarrow s + r\sqrt{\frac{1}{p^4}} s \frac{r\Delta}{p^4} \rightarrow s s \frac{r\Delta}{p^4} - \frac{1}{r} s \frac{r}{p^4} \rightarrow \frac{m+1}{p^4} s \frac{r}{p^4} \rightarrow m s - 1$$

$$m\alpha^r + r\mu + r s - \alpha^r + r\mu + r \rightarrow p s \frac{r}{-1} s - r$$