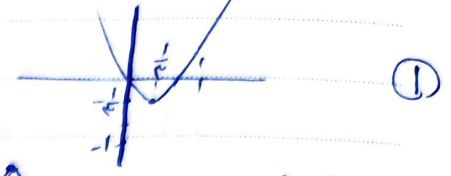


γ_0

مضروب درجه اول - کره = A

الف) $ys^2 - 2x - 2x$

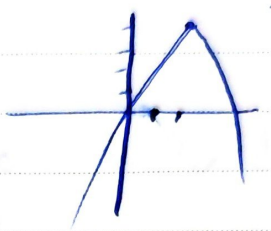
$\frac{-b}{2a} = \frac{-1}{1} = -1$ $\frac{b^2 - 4ac}{4a} = \frac{1 - 4(-2)(-2)}{4} = \frac{1 - 16}{4} = -\frac{15}{4}$



$x_{50} \rightarrow y_{50}$

ب) $ys^2 - 2x + 2x$

$\frac{-b}{2a} = 1$ $-\frac{b^2 - 4ac}{4a} = -\frac{1 - 4(-2)(-2)}{4} = -\frac{1 - 16}{4} = \frac{15}{4}$



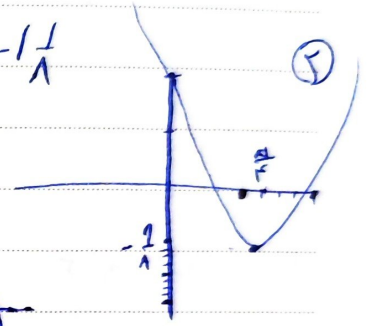
نصف اول

$x_{50} \rightarrow y_{50}$

نصف دوم

الف) $ys^2 - 2x + 2x$

$\frac{-b}{2a} = \frac{1}{1} = 1$ $\frac{b^2 - 4ac}{4a} = \frac{1 - 4(-2)(-2)}{4} = \frac{1 - 16}{4} = -\frac{15}{4}$

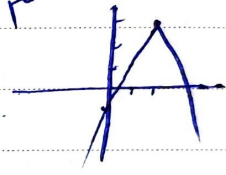


$x_{50} \rightarrow y_{50}$

نصف اول و دوم

ب) $ys^2 - 2x + 2x - 1$

$\frac{-b}{2a} = 1$ $-\frac{b^2 - 4ac}{4a} = -\frac{1 - 4(-2)(-1)}{4} = -\frac{1 - 8}{4} = \frac{7}{4}$



$x_{50} \rightarrow y_{50}$

نصف اول و دوم

الف) $\frac{1}{\sqrt{13}} = \frac{\sqrt{13}}{13}$

$\frac{p \pm c}{a} = \frac{5 \pm 1}{5} = 1$ $\frac{b \pm \sqrt{b^2 - 4ac}}{2a} = \frac{1 \pm \sqrt{1 - 4(-2)(-2)}}{2} = \frac{1 \pm \sqrt{1 - 16}}{2} = \frac{1 \pm \sqrt{-15}}{2}$

ب) $s^2 - 2ps + 1 - 2x - 2x = 0$

ج) $s^2 - 2ps + 1 - 2x - 2x = 0$

د) $(\frac{a-B}{\sqrt{13}})^2 + 2 \times B(a-B) \times \frac{1}{\sqrt{13}} + 2x - 2(\sqrt{13}) = 13\sqrt{13} - 9\sqrt{13} + 2\sqrt{13}$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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