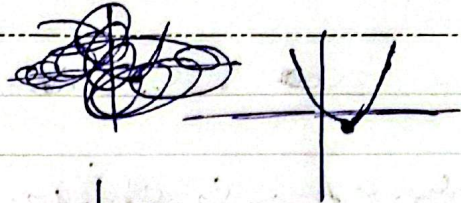
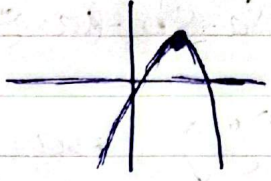
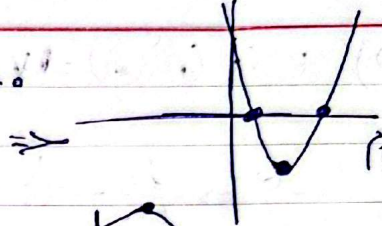
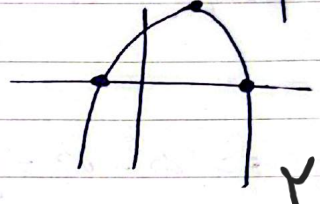


الف) $\min \left| \frac{1}{\epsilon} \right| \Rightarrow$  نامید

ب) $\max \left| \epsilon \right| \Rightarrow$  نامید

الف) $\frac{-b + \sqrt{\Delta}}{2a} = \frac{5 + \sqrt{9}}{2} < \frac{1}{\epsilon} \quad a > 0$  خوانی لطف دهم و چهارم

ب) $\frac{-c + \sqrt{1c}}{-t} < \alpha \Rightarrow \alpha < 0$
 $\left. \begin{matrix} \alpha > 0 \\ \beta > 0 \end{matrix} \right\} \Rightarrow$  همه نواحی
 به جز نواحی ۲

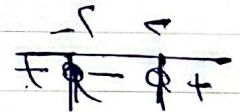
الف) $\frac{a+\beta}{a+\beta} = \frac{5}{\frac{\sqrt{a}}{a}} \Rightarrow \frac{b}{a} = \frac{1}{\sqrt{a}} = \frac{\sqrt{a}}{a}$

ب) $5^2 - 2p = 1 - (5)(-2) = 7$

ج) $5^2 - 2sp = 1 - (5)(1)(-2) = 6$

د) $(a-\beta)(a^2+ab+\beta^2) \Rightarrow (\sqrt{a})(7+(-2)) = 5\sqrt{a}$

$x=2$, $x^2 - ax + a \Rightarrow \Delta < 0$

$\Rightarrow a^2 - 4 < 0 \Rightarrow (a-2)(a+2) < 0 \Rightarrow$  $\Rightarrow (-2, 2)$

$a^2 + b^2 + a^2 - a = 7 \Rightarrow 5^2 - 2p + a(a-2) = 7$

$\Rightarrow 17 + (2 \times \frac{a}{2}) = 7 \Rightarrow a = 9 \Rightarrow \alpha = 1$
 $\beta = 2 \quad \frac{\alpha}{\beta} = -\frac{1}{2}$

سوال ۶ و ۷ را جواب بیاورم

$$\frac{1}{ca} = -\frac{1}{c} \Rightarrow \frac{b^2 - \epsilon ac}{-\epsilon a} = -\frac{1}{c} \Rightarrow ca - ab = a + b \quad 1.6$$

$$\Rightarrow ca - ab = 0 \Rightarrow ca = ab \Rightarrow a = \frac{b^2}{a} \Rightarrow a^2 = b^2 \Rightarrow a = b$$

$$\Rightarrow cb - \epsilon b = 0 \Rightarrow cb(b - \epsilon) = 0 \Rightarrow \begin{cases} b=0 \\ b=c \end{cases} \Rightarrow a = \frac{1}{c} \Rightarrow \frac{1}{c} + c + \frac{c}{c} = 0$$

$$\Rightarrow \frac{1}{c} + c + \frac{c}{c} = 0$$

$$r_0 (s^2 - rp) + r_1 (b^2 - B) = 1V \Rightarrow r_0 + \epsilon \cdot \frac{b}{a} + c \cdot \frac{b}{a} = 1V \quad 1.7$$

$$\Rightarrow \epsilon \cdot \frac{b}{a} = -c \Rightarrow \frac{b}{a} = -\frac{c}{\epsilon} \Rightarrow -r_0 x^2 + c x + 1 = 0$$

$$\Delta = \frac{\sqrt{\Delta}}{|a|} = \frac{\sqrt{c^2 - 4r_0}}{r_0} = \frac{\sqrt{c^2 - 4r_0}}{r_0}$$

$$a(b^2 - B) = b \Rightarrow b^2 - B = \frac{b}{a}$$

$$b = \frac{\sqrt{a^2 + c^2} + \sqrt{1 - ca}}{c} = d \Rightarrow S(d, c) \quad 1.8$$

$$\Rightarrow a(x-d)^2 + c = y \Rightarrow a(19) = 1 \Rightarrow a = \frac{1}{19} \Rightarrow \text{عدد منفرد دهیم}$$

$$\Rightarrow \frac{ca}{19} + c$$

$$\frac{1}{\sqrt{a}} + \frac{1}{\sqrt{b}} = d \Rightarrow \frac{\sqrt{a} + \sqrt{b}}{\sqrt{ab}} = d \Rightarrow d\sqrt{ab} = \sqrt{a} + \sqrt{b} \quad 1.9$$

$$\Rightarrow a + b + 2\sqrt{ab} \Rightarrow \frac{ca}{c^2} = \frac{m+1}{m^2} + \frac{0}{c} \Rightarrow m = -1$$

$$\Rightarrow -x^2 + mx + c = 0 \Rightarrow a \cdot b = \frac{c}{a} = 5$$