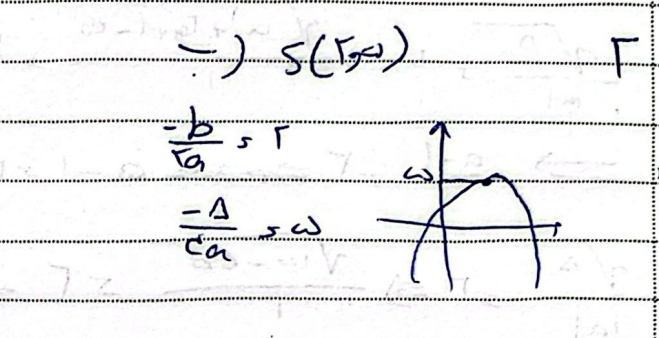
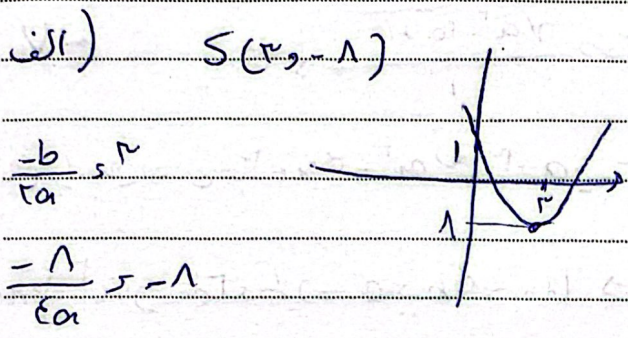


الف) $\min \left| \frac{-b}{2a} \right| \Rightarrow \min \left| -1 \right|$ المعبرين -1

ب) $\max \left| \frac{-b}{2a} \right| \Rightarrow \max \left| \frac{9}{8} - \frac{1}{1} \right|$

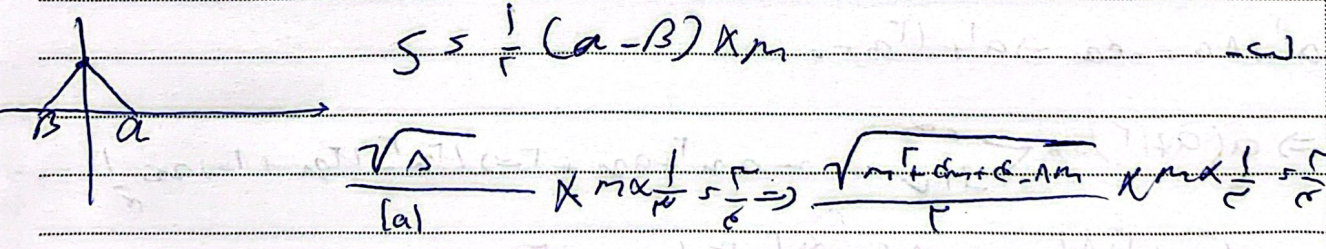


$a\beta < -1$, $a + \beta < 1 \Rightarrow a < 1$, $\beta < -1$

$\Rightarrow -1 < \beta < 1 - 2a \Rightarrow \beta < 1 - 2a \Rightarrow \beta < 1$

$\sqrt{a} - \sqrt{\beta} < 1 \Rightarrow a + \beta - 2\sqrt{a\beta} < 1 \Rightarrow \sqrt{a} - \sqrt{\beta} < 1$

$m < 1 \Rightarrow \sqrt{m^2 - cm + c} < m < 1$, $\frac{c}{a} < \frac{1}{m}$



$\Rightarrow \sqrt{m^2 - cm + c} < m < 1 \Rightarrow |m| < m < 1$, $m < 1 \Rightarrow m^2 - cm - 1 < 0$

$m < 1 \Rightarrow m^2 + 1 - cm < 0$

$\sqrt{m^2 - cm + 1} < \frac{b}{2a} < \frac{1}{m} < \frac{1}{m}$

Arman

$$\frac{-\Delta}{ca} \pm \frac{v}{\lambda} \Rightarrow \frac{ca^{\Gamma} - \Delta}{ca} \pm \frac{v}{\lambda} \Rightarrow \mu + a^{\Gamma} \Gamma \lambda a - v \Gamma \pm 0 \Rightarrow \dots$$

$$\Rightarrow a^{\Gamma} - v a \pm \Gamma \epsilon \epsilon \pm 0 \Rightarrow (a - 1)(a + 9) = 0 \Rightarrow a = 1 \text{ or } -9 \Rightarrow a = 1$$

$$\frac{\sqrt{\Delta}}{|a|} \pm \Gamma \Rightarrow \frac{\sqrt{a^{\Gamma} + \Gamma a + 1} - ca}{1} \pm \Gamma \Rightarrow \frac{\sqrt{a^{\Gamma} - ca + 1}}{1} \pm \Gamma$$

$$\Rightarrow \frac{a-1}{1} \pm \Gamma \Rightarrow a-1 \pm \Gamma \Rightarrow a \pm \Gamma \Rightarrow a^{\Gamma} - ca \pm \Gamma \pm 0 \Rightarrow (a-1)(a-1)$$

$$\frac{\sqrt{\Delta}}{|a|} \pm \Gamma \Rightarrow \frac{\sqrt{ca - \epsilon b}}{1} \pm \Gamma \Rightarrow ca - \epsilon b \pm \Gamma \Rightarrow b \pm \Gamma \Rightarrow a^{\Gamma} - b \pm \Gamma$$

$$\Rightarrow (a-1)(a-9) = 0 \Rightarrow a = 1$$

$$\frac{-b}{ca} \pm \frac{-a}{-ca} \pm \frac{1}{\Gamma} \Rightarrow \frac{\Delta}{ca} \pm \frac{ca + \Gamma a}{ca} \Rightarrow \frac{-b}{ca} \pm \frac{b}{cb} \pm \frac{1}{\Gamma} \Rightarrow \frac{-\Delta}{ca} \pm \frac{b^{\Gamma} - \Lambda}{\Lambda b}$$

$$\Rightarrow \Gamma b a^{\Gamma} - b a - 1 = 0 \Rightarrow a^{\Gamma} \Rightarrow \frac{1}{\Gamma} b - \frac{1}{\Gamma} b - 1 = \frac{ca + \Gamma a}{ca} \Rightarrow$$

$$a^{\Gamma} + \Gamma a = -ca \Rightarrow a^{\Gamma} + \Gamma a \pm 0$$

$$\Rightarrow a(a + \Gamma) \pm 0 \Rightarrow a^2 + \Gamma a = 0 \Rightarrow a(a + \Gamma) = 0 \Rightarrow a = 0 \text{ or } -\Gamma$$

$$\Rightarrow -\frac{1}{\Gamma} \pm \frac{b^{\Gamma} + \Lambda b}{\Lambda b} \Rightarrow -\Lambda b \pm b^{\Gamma} + \Gamma b \Rightarrow \epsilon b^{\Gamma} + b \pm 0 \Rightarrow \epsilon b(b + 1) = 0 \Rightarrow b = 0 \text{ or } -1$$

$$-b - (\Gamma) \pm \Gamma$$

$$\alpha + \beta \pm \frac{-\Gamma}{\Gamma a} \pm \alpha \beta \pm \frac{b}{\Gamma a} \Rightarrow \Gamma a \alpha^{\Gamma} + \Gamma a \beta^{\Gamma} = -\Gamma, \Gamma a \alpha^{\Gamma} b + b - \Gamma$$

$$\Gamma a^{\Gamma} \pm 1 \Rightarrow a \pm \frac{1}{a} \Rightarrow \Gamma a \alpha^{\Gamma} b - 0, \Gamma a \alpha^{\Gamma} \frac{1}{b} \pm b \pm 1$$

$$b | a \Rightarrow \frac{b^{\Gamma}}{b \pm \Gamma} \Rightarrow \alpha = -\frac{1}{a}, \beta = 1$$

Arman

$$a + b = \frac{-b}{a} \quad a + b = -a - b + \pi \Rightarrow a + a + b + b = \pi$$

$$a^2 - a - 4 + b^2 + b - 4 = 0 \Rightarrow (a + 1)(a - 2) + (b + 1)(b - 2) = 0$$

$$\Rightarrow \begin{matrix} a & - & 1 \\ \swarrow & & \searrow \\ a & - & 1 \end{matrix} \quad \begin{matrix} b & - & 2 \\ \swarrow & & \searrow \\ b & - & 2 \end{matrix} \quad a + b = \pi$$

10:

15:

20:

25:

30: