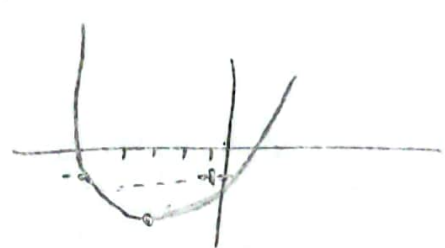
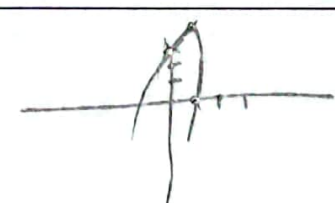


الف) $-3x^2 + 9x - 1 = 0 \Rightarrow \frac{-29 \pm \sqrt{13}}{-6}, \frac{-29 - \sqrt{13}}{-6}$ ب) $2x^2 - x + 2 = 0 \Rightarrow \frac{1 \pm \sqrt{-19}}{4} \Rightarrow$ جواب ندارد پ) $2x^2 - 9x + 2 = 0 \Rightarrow \frac{-16 \pm \sqrt{16 - 4(2)(2)}}{4} \Rightarrow \frac{-16 \pm \sqrt{0}}{4} \Rightarrow -4$ اینه مضاعف ت) $2x^2 - x + 1 = 0 \Rightarrow \frac{-1 \pm \sqrt{1 - 4(2)(1)}}{4} \Rightarrow$ جواب ندارد	$y = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$ ۶
الف) $2x^2 - 3x + 1 = 0 \Rightarrow \frac{-4 \pm \sqrt{4 - (4)(2)}}{4} = \frac{5}{4}, -2$ ب) $2x^2 - 3x + 1 = 0 \Rightarrow 2x^2 - 4x + 2 = 0 \Rightarrow 2(x^2 - 2x + 1) = 0 \Rightarrow 2(x-1)^2 = 0 \Rightarrow x-1 = 0 \Rightarrow x = 1$ ج) $2x^2 - 3x + 1 = 0 \Rightarrow 2x^2 - 4x + 2 = 0 \Rightarrow 2(x^2 - 2x + 1) = 0 \Rightarrow 2(x-1)^2 = 0 \Rightarrow x-1 = 0 \Rightarrow x = 1$ د) $2x^2 - 3x + 1 = 0 \Rightarrow \frac{-9 \pm \sqrt{9 - (4)(2)(1)}}{4} = -4, -\frac{1}{4}$	الف) $a=1$ ب) $a=2$ ج) $a=2$ د) $a=9$ ۷
	الف) $\begin{vmatrix} -1 & 1 \\ -a & 1 \end{vmatrix}$ ۸
	الف) $\begin{vmatrix} 1 & 1 \\ 1 & 1 \end{vmatrix}$ ۹
الف) $5^2 - 2p = 11 - 2(16) = 49$ ب) $5^3 - 3p = -729 - 3(-9)(16) = -297$	$s = -9$ $p = 16$ ۱۰

$$\text{الف) } x^2 - 6x + 1 = 0 \xrightarrow{+9} x^2 - 6x + 9 = 1 \Rightarrow \sqrt{(x-3)^2} = \sqrt{1} \Rightarrow \begin{cases} x-3 = 1 \Rightarrow x=4 \\ x-3 = -1 \Rightarrow x=2 \end{cases}$$

$$\text{ب) } x^2 + 1x + 1 = 0 \xrightarrow{+9} x^2 + 1x + 10 = 9 \Rightarrow \sqrt{(x+1)^2} = \sqrt{9} \Rightarrow \begin{cases} x+1 = 3 \rightarrow x=2 \\ x+1 = -3 \rightarrow x=-4 \end{cases}$$

$$\text{الف) } (x-2)(x-3) = 0 \Rightarrow \begin{cases} x=2 \\ x=3 \end{cases}$$

$$\text{ب) } (x+2)(x-5) = 0 \Rightarrow \begin{cases} x=-2 \\ x=5 \end{cases}$$

$$\text{الف) } x^2 - 3x - 4 = 0 \Rightarrow \frac{-3 \pm \sqrt{9+16}}{2} \Rightarrow \begin{cases} \frac{-3+\sqrt{25}}{2} \\ \frac{-3-\sqrt{25}}{2} \end{cases} \quad y = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$\text{ب) } 2x^2 - 4x + \frac{1}{2} = 0 \Rightarrow \frac{-4 \pm \sqrt{16-2}}{4} \Rightarrow \begin{cases} \frac{-4+\sqrt{14}}{4} \\ \frac{-4-\sqrt{14}}{4} \end{cases}$$

$$\text{الف) } x^2 - 3x + 2 = 0 \Rightarrow (x-1)(x-2) = 0 \Rightarrow \begin{cases} x=1 \\ x=2 \end{cases}$$

$$\text{ب) } 4x^2 + x + 1 = 0 \xrightarrow{+1} 4x^2 + x - 2 = 0 \Rightarrow (4x-1)(x+2) = 0 \Rightarrow \begin{cases} x = \frac{1}{4} \\ x = -2 \end{cases}$$

$$\text{الف) } 5x^2 - 12x + 7 = 0 \Rightarrow x^2 - 12x + 14 = 0 \Rightarrow (x-5)(x-7) = 0 \Rightarrow \begin{cases} x=5 \\ x=7 \end{cases}$$

$$\text{ب) } 3x^2 - 10x + 7 = 0 \Rightarrow x^2 - 10x + 21 = 0 \Rightarrow (x-3)(x-7) = 0 \Rightarrow \begin{cases} x=3 \\ x=7 \end{cases}$$