

130

17, 175

از روش دیگر

این الای

$$\frac{-b}{2a} = 2 \rightarrow \frac{-1}{2a-2} = 2 \rightarrow 2a-2 = -1 \rightarrow 2a = 3 \rightarrow a = \frac{3}{2}$$

17, 175 - 1

$$-\frac{1}{2}x^2 + x + 3 = 0 \rightarrow \frac{-1 \pm \sqrt{1+3}}{-\frac{1}{2}} \rightarrow \begin{matrix} -1 \\ 2 \end{matrix} \begin{matrix} \times \\ \checkmark \end{matrix}$$



طول +

$$\frac{c}{a} = \frac{m}{m} = 1 \rightarrow \text{قطعه تنگی است} \rightarrow m \rightarrow \text{مقیوس}$$

2 - 1

$$\text{مح: } \frac{d}{m} \rightarrow -\frac{1}{2}, -2 \rightarrow \text{مح} = -\frac{d}{2}$$

$$-2x^2 - 4x - 2 = 0$$

مثال درست

$$\Delta > 0 \rightarrow 2d - 4(m^2) > 0 \rightarrow (-\frac{d}{2}, \frac{d}{2}) \rightarrow (-\frac{d}{2}, 0) \checkmark$$

$$\frac{2 \pm \sqrt{4}}{2} \times 2 \rightarrow \frac{4 \pm 2\sqrt{4}}{2} \rightarrow 2x^2 - 4x + \frac{4}{2} = 0 \rightarrow x^2 - 2x + 2 = 0 \rightarrow \frac{18 \pm 6\sqrt{4}}{18} \checkmark$$

2 - 2

$$\begin{matrix} 18 \\ \times 18 \\ \hline 324 \\ + 180 \\ \hline 504 \end{matrix} \quad \begin{matrix} 17 \\ \times 9 \\ \hline 153 \end{matrix}$$

$$324 - 153 = 171$$

$$\alpha^2 + \beta^2 = 5^2 = 25 \rightarrow 17 - \frac{2(m+1)}{-m-1} + 18\alpha - m - 2 = 17$$

2 - 3

$$2\alpha^2 = 18\alpha - m - 2$$

$$17 + 18\alpha - 2m = 17 \rightarrow 18\alpha = 2m \rightarrow 9\alpha = m$$

$$m - 2 - 2m + m + 2 = 0$$

$$2\alpha^2 - 9\alpha + 1 = 0 \rightarrow \alpha = 1 \rightarrow m = 9 \checkmark$$

$$\frac{-b}{2a} = 2$$

$$ax^2 + bx + d = 0$$

$$2a + b = 4 \rightarrow b = 4 - 2a$$

$$a = -1$$

$$-x^2 + 4x + d = 0$$

$$\frac{-4 \pm \sqrt{16 - 4d}}{-2}$$

$$(-1, d)$$

از 11 و 12 - 1

2 - 4

$$\alpha + \beta = \frac{V}{\alpha} \rightarrow \alpha^2 + \alpha\beta = V \quad 9 - 2(\frac{V}{\alpha}) = V$$

$$\alpha\beta = \frac{9\beta}{\alpha} \rightarrow \alpha^2\beta - 9\beta = 0 \rightarrow \alpha = 3 \quad \beta = \frac{V}{\alpha}$$

$$-2x^2 - 7x + 9$$

$$-\frac{1}{2} + \frac{7}{2} \rightarrow -\frac{1}{2} + \frac{9}{2} = \frac{V}{2} \checkmark$$

2 - 5

$$\alpha^2 + \beta^2 - 2m = 1$$

$$x^2 + 2x - 1 = 0$$

$$(2) - V$$

$$s^2 - 2p \rightarrow m^2 - 2(-2m) \rightarrow m^2 + 4m - 2m \rightarrow m^2 + 2m - 1 = 0 \rightarrow m = 2$$

$$\frac{-b}{a} = \frac{-2}{1} \checkmark$$

$$\alpha^2 - 2\beta$$

رفت!

$$\frac{-\Delta}{f_a} \rightarrow \frac{f_a c - b^2}{f_a} \frac{2m^2 + 2\Lambda m - 1}{f_m} = \frac{Vm - f}{m} = 1 \rightarrow \begin{cases} m = 4 \times \\ m = -2 \checkmark \end{cases} \quad (1,5) \quad \Lambda$$

$$\Lambda m = Vm - f \rightarrow m = 2$$

$$-fx^2 + fx + 4$$

$$\frac{-f \pm \sqrt{f^2 - 4 \cdot (-1) \cdot 4}}{-1} = \frac{1 \pm \sqrt{17}}{2}$$

$$14 + \Lambda = 94 \frac{1}{1000}$$

$$f_m = -2n^2 + 4n + 4 = 0 \rightarrow \begin{cases} n = -1 \\ n = 4 \checkmark \end{cases} \quad \text{كسب است!}$$

$$c = 4$$

$$ax^2 + bx + c = 0$$

$$-\frac{1}{r}x^2 + 2x + f = 0 \quad (2) - 9$$

$$\frac{-b}{2a} = 2$$

$$fa + 2b = 2 \rightarrow 2a + b = 1$$

$$-2a = 1 \rightarrow a = -\frac{1}{2} \rightarrow b = 2$$

$$\frac{1}{a} + \frac{1}{b} = \frac{a+b}{ab} \rightarrow \frac{f}{-1} = \left(-\frac{1}{2} \right) \checkmark$$

$$fa = -b$$

$$f - 2(fa + f) + 3a^2 + 4a + 3 = 0 \rightarrow f - \Lambda a + 1 + 2a^2 + 4a + 3 = 0$$

$$(1,5) \quad 10$$

$$3a^2 - 2a = 0$$

$$\frac{1 \pm \sqrt{17}}{2}$$

$$\begin{cases} 1 \checkmark \\ -\frac{1}{2} \times \end{cases}$$

$$x^2 - \Lambda x + 12$$

$$\frac{1 \pm \sqrt{17}}{2}$$

$$\begin{cases} 1 \checkmark \\ 2 \end{cases}$$

چهار این دو

$$a = -\frac{1}{r} \rightarrow 3n^2 - \Lambda n + f = 0 \quad \begin{cases} n = 2 \\ n = \frac{2}{r} \end{cases}$$