

Εξισώσεις Β' Βαθμού

$$2x^2 + 5x - 3 = 0$$

$$\alpha =$$

$$\beta =$$

$$\gamma =$$

$$\Delta = \beta^2 - 4 \alpha \gamma = \quad^2 - 4 \cdot \quad \cdot \quad = \quad =$$

$$x = \frac{-\beta \pm \sqrt{\Delta}}{2\alpha} = \frac{\pm \sqrt{\quad}}{2 \cdot \quad} = \quad \text{ή} \quad$$

$$\quad \text{ή} \quad$$

$$\text{άρα } x_1 = \quad x_2 =$$

$$2x^2 - 3x + 7 = 0$$

$$\alpha =$$

$$\beta =$$

$$\gamma =$$

$$\Delta = \beta^2 - 4 \alpha \gamma = (\quad)^2 - 4 \cdot \quad \cdot \quad = \quad - \quad = \quad 0$$

άρα είναι

$$4x^2 + 20x + 25 = 0$$

$$\alpha =$$

$$\beta =$$

$$\gamma =$$

$$\Delta = \beta^2 - 4 \alpha \gamma = \quad^2 - 4 \cdot \quad \cdot \quad = \quad - \quad =$$

$$x = \frac{-\beta \pm \sqrt{\Delta}}{2\alpha} = \frac{\pm \sqrt{\quad}}{2 \cdot \quad} = \quad$$

$$x^2 - 3x + 2 = 0$$

$$\alpha =$$

$$\beta =$$

$$\gamma =$$

$$\Delta = \beta^2 - 4 \alpha \gamma = \quad^2 - 4 \cdot \quad \cdot \quad = \quad =$$

$$x = \frac{-\beta \pm \sqrt{\Delta}}{2\alpha} = \frac{\pm \sqrt{\quad}}{2 \cdot \quad} = \begin{array}{l} \nearrow \quad = \quad \\ \searrow \quad = \quad \end{array}$$

$$\text{άρα } x_1 =$$

$$x_2 =$$

$$x^2 - 3 - 2x = 0$$

$$\alpha =$$

$$\beta =$$

$$\gamma =$$

$$\Delta = \beta^2 - 4 \alpha \gamma = \quad^2 - 4 \cdot \quad \cdot \quad = \quad =$$

$$x = \frac{-\beta \pm \sqrt{\Delta}}{2\alpha} = \frac{\pm \sqrt{\quad}}{2 \cdot \quad} = \begin{array}{l} \nearrow \quad = \quad \\ \searrow \quad = \quad \end{array}$$

$$\text{άρα } x_1 =$$

$$x_2 =$$

$$-2 + 2x^2 - 3x = 0$$

$$\alpha =$$

$$\beta =$$

$$\gamma =$$

$$\Delta = \beta^2 - 4\alpha\gamma = \quad^2 - 4 \cdot \quad \cdot \quad = \quad =$$

$$x = \frac{-\beta \pm \sqrt{\Delta}}{2\alpha} = \frac{\pm \sqrt{\quad}}{2 \cdot \quad} = \begin{array}{l} \nearrow \quad = \quad \\ \searrow \quad = \quad \end{array}$$

$$\text{άρα } x_1 =$$

$$x_2 =$$

$$-4x^2 + 4x - 1 = 0$$

$$\alpha =$$

$$\beta =$$

$$\gamma =$$

$$\Delta = \beta^2 - 4 \alpha \gamma = \quad^2 - 4 \cdot \quad \cdot \quad = \quad =$$

$$x = \frac{-\beta \pm \sqrt{\Delta}}{2\alpha} = \frac{\pm \sqrt{\quad}}{2 \cdot \quad} = \quad$$

$$\text{άρα } x =$$

$$-1 + 6x^2 - x = 0$$

$$\alpha =$$

$$\beta =$$

$$\gamma =$$

$$\Delta = \beta^2 - 4\alpha\gamma = \quad^2 - 4 \cdot \quad \cdot \quad = \quad =$$

$$x = \frac{-\beta \pm \sqrt{\Delta}}{2\alpha} = \frac{\pm \sqrt{\quad}}{2 \cdot \quad} = \begin{array}{l} \nearrow \quad = \quad \\ \searrow \quad = \quad \end{array}$$

$$\text{άρα } x_1 =$$

$$x_2 =$$

$$x^2 - 6x = 0$$

$$\alpha =$$

$$\beta =$$

$$\gamma =$$

$$\Delta = \beta^2 - 4 \alpha \gamma = \quad^2 - 4 \cdot \quad \cdot \quad = \quad =$$

$$x = \frac{-\beta \pm \sqrt{\Delta}}{2\alpha} = \frac{\pm \sqrt{\quad}}{2 \cdot \quad} = \begin{matrix} \nearrow \quad = \quad \\ \searrow \quad = \quad \end{matrix}$$

$$\text{άρα } x_1 =$$

$$x_2 =$$