

ECUACIONES DE SEGUNDO GRADO

Resuelve las siguientes ecuaciones de 2º grado, sacando las dos soluciones:

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

$$a =$$

$$2 \cdot a =$$

$$b =$$

$$-b =$$

$$b^2 =$$

$$c =$$

$$-4 \cdot a \cdot c =$$

$$x = \frac{-b \pm \sqrt{b^2 - 4 \cdot a \cdot c}}{2 \cdot a} = \frac{\pm \sqrt{\quad}}{\quad} = \frac{\pm \sqrt{\quad}}{\quad} = \frac{\pm}{\quad} =$$

$$= \begin{cases} \frac{\pm}{\quad} = \quad = \quad \\ \frac{\pm}{\quad} = \quad = \quad \end{cases}$$

$$x^2 - 7x + 10 = 0$$

$$a =$$

$$2 \cdot a =$$

$$b =$$

$$-b =$$

$$b^2 =$$

$$c =$$

$$-4 \cdot a \cdot c =$$

$$x = \frac{-b \pm \sqrt{b^2 - 4 \cdot a \cdot c}}{2 \cdot a} = \frac{\pm \sqrt{\quad}}{\quad} = \frac{\pm \sqrt{\quad}}{\quad} = \frac{\pm}{\quad} =$$

$$= \begin{cases} \frac{\pm}{\quad} = \quad = \quad \\ \frac{\pm}{\quad} = \quad = \quad \end{cases}$$

$$x^2 + 5x + 6 = 0$$

$$x = \frac{-b \pm \sqrt{b^2 - 4 \cdot a \cdot c}}{2 \cdot a} = \frac{\pm \sqrt{\quad}}{\quad} = \frac{\pm \sqrt{\quad}}{\quad} = \frac{\pm}{\quad} =$$

$$= \begin{cases} \frac{\pm}{\quad} = \quad = \quad \\ \frac{\pm}{\quad} = \quad = \quad \end{cases}$$

$$3x^2 - 6x - 9 = 0$$

$$a =$$

$$2 \cdot a =$$

$$b =$$

$$-b =$$

$$b^2 =$$

$$c =$$

$$-4 \cdot a \cdot c =$$

$$x = \frac{-b \pm \sqrt{b^2 - 4 \cdot a \cdot c}}{2 \cdot a} = \frac{\pm \sqrt{\quad}}{\quad} = \frac{\pm \sqrt{\quad}}{\quad} = \frac{\pm}{\quad} =$$

$$= \begin{cases} \frac{\pm}{\quad} = \quad = \quad \\ \frac{\pm}{\quad} = \quad = \quad \end{cases}$$

$$2x^2 + 8x - 10 = 0$$

$$a =$$

$$2 \cdot a =$$

$$b =$$

$$-b =$$

$$b^2 =$$

$$c =$$

$$-4 \cdot a \cdot c =$$

$$x = \frac{-b \pm \sqrt{b^2 - 4 \cdot a \cdot c}}{2 \cdot a} = \frac{\pm \sqrt{\quad}}{\quad} = \frac{\pm \sqrt{\quad}}{\quad} = \frac{\pm}{\quad} =$$

$$= \begin{cases} \frac{\pm}{\quad} = \quad = \quad \\ \frac{\pm}{\quad} = \quad = \quad \end{cases}$$

$$2x^2 + 12x + 16 = 0$$

$$a =$$

$$2 \cdot a =$$

$$b =$$

$$-b =$$

$$b^2 =$$

$$c =$$

$$-4 \cdot a \cdot c =$$

$$x = \frac{-b \pm \sqrt{b^2 - 4 \cdot a \cdot c}}{2 \cdot a} = \frac{\pm \sqrt{\quad}}{\quad} = \frac{\pm \sqrt{\quad}}{\quad} = \frac{\pm}{\quad} =$$

$$= \begin{cases} \frac{\pm}{\quad} = \quad = \quad \\ \frac{\pm}{\quad} = \quad = \quad \end{cases}$$