

Fórmula General



$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Resolver la ecuación: $2x^2 + 3x - 5 = 0$

Vemos claramente que $a = 2$, $b = 3$ y $c = -5$, así es que:

$$x = \frac{-3 \pm \sqrt{3^2 - 4 \cdot 2 \cdot (-5)}}{2 \cdot 2} = \frac{-3 \pm \sqrt{9 + 40}}{4} = \frac{-3 \pm 7}{4} \begin{cases} x = \frac{-3 + 7}{4} = \frac{4}{4} = 1 \\ x = \frac{-3 - 7}{4} = \frac{-10}{4} = -\frac{5}{2} \end{cases}$$

Resuelve las ecuaciones cuadráticas por fórmula general

$$3x^2 + x - 14 = 0$$

$$x = \frac{-(\quad) \pm \sqrt{(\quad)^2 - 4(\quad)(\quad)}}{2(\quad)} = \frac{(\quad) \pm \sqrt{(\quad)}}{(\quad)}$$

$$= \frac{(\quad) \pm (\quad)}{(\quad)} = \begin{cases} x_1 = \frac{(\quad) + (\quad)}{(\quad)} = \frac{(\quad)}{(\quad)} \\ x_2 = \frac{(\quad) - (\quad)}{(\quad)} = \frac{(\quad)}{(\quad)} \end{cases}$$

$$6x^2 + 7x + 2 = 0$$

$$= \frac{-(\quad) \pm \sqrt{(\quad)^2 - 4(\quad)(\quad)}}{2(\quad)} = \frac{(\quad) \pm \sqrt{(\quad)}}{(\quad)}$$

$$= \frac{(\quad) \pm (\quad)}{(\quad)} = \begin{cases} x_1 = \frac{(\quad) + (\quad)}{(\quad)} = \frac{(\quad)}{(\quad)} \\ x_2 = \frac{(\quad) - (\quad)}{(\quad)} = \frac{(\quad)}{(\quad)} \end{cases}$$

Si vas a entregar impreso, escribe tu nombre completo: _____

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

$$= \frac{-(\) \pm \sqrt{(\)^2 - 4(\)(\)}}{2(\)} = \frac{(\) \pm \sqrt{(\)}}{(\)}$$

$$= \frac{(\) \pm (\)}{(\)} = \begin{cases} x_1 = \frac{(\) + (\)}{(\)} = \frac{(\)}{(\)} \\ x_2 = \frac{(\) - (\)}{(\)} = \frac{(\)}{(\)} \end{cases}$$

$$6x^2 - 5x = 6$$

$$= \frac{-(\) \pm \sqrt{(\)^2 - 4(\)(\)}}{2(\)} = \frac{(\) \pm \sqrt{(\)}}{(\)}$$

$$= \frac{(\) \pm (\)}{(\)} = \begin{cases} x_1 = \frac{(\) + (\)}{(\)} = \frac{(\)}{(\)} \\ x_2 = \frac{(\) - (\)}{(\)} = \frac{(\)}{(\)} \end{cases}$$

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

$$= \frac{-(\) \pm \sqrt{(\)^2 - 4(\)(\)}}{2(\)} = \frac{(\) \pm \sqrt{(\)}}{(\)}$$

$$= \frac{(\) \pm (\)}{(\)} = \begin{cases} x_1 = \frac{(\) + (\)}{(\)} \\ x_2 = \frac{(\) - (\)}{(\)} \end{cases}$$

$$-x^2 + 3x - 8 = 0$$

$$= \frac{-(\quad) \pm \sqrt{(\quad)^2 - 4(\quad)(\quad)}}{2(\quad)} = \frac{(\quad) \pm \sqrt{(\quad)}}{(\quad)}$$

$$= \frac{(\quad) \pm (\quad)}{(\quad)} = \begin{cases} x_1 = \frac{(\quad) + (\quad)}{(\quad)} \\ x_2 = \frac{(\quad) - (\quad)}{(\quad)} \end{cases}$$

$$4x^2 + 8x = -3$$

$$= \frac{-(\quad) \pm \sqrt{(\quad)^2 - 4(\quad)(\quad)}}{2(\quad)} = \frac{(\quad) \pm \sqrt{(\quad)}}{(\quad)}$$

$$= \frac{(\quad) \pm (\quad)}{(\quad)} = \begin{cases} x_1 = \frac{(\quad) + (\quad)}{(\quad)} = \frac{(\quad)}{(\quad)} \\ x_2 = \frac{(\quad) - (\quad)}{(\quad)} = \frac{(\quad)}{(\quad)} \end{cases}$$

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

$$= \frac{-(\quad) \pm \sqrt{(\quad)^2 - 4(\quad)(\quad)}}{2(\quad)} = \frac{(\quad) \pm \sqrt{(\quad)}}{(\quad)}$$

$$= \frac{(\quad) \pm (\quad)}{(\quad)} = \begin{cases} x_1 = \frac{(\quad) + (\quad)}{(\quad)} = \frac{(\quad)}{(\quad)} \\ x_2 = \frac{(\quad) - (\quad)}{(\quad)} = \frac{(\quad)}{(\quad)} \end{cases}$$