

## Ecuaciones de segundo grado

1 Resuelve las siguientes ecuaciones:

a)  $x^2 + 4x - 5 = 0$

$$\left. \begin{array}{l} a = \square \\ b = \square \\ c = \square \end{array} \right\} \rightarrow x = \frac{-\square \pm \sqrt{\square^2 - 4 \cdot \square \cdot \square}}{2 \cdot \square} = \frac{-\square \pm \square}{\square} \begin{cases} x = \square \\ x = \square \end{cases}$$

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

$$\left. \begin{array}{l} a = \square \\ b = \square \\ c = \square \end{array} \right\} \rightarrow x = \frac{-\square \pm \sqrt{\square^2 - 4 \cdot \square \cdot \square}}{2 \cdot \square} = \frac{\square \pm \square}{\square} \begin{cases} x = \square \\ x = \frac{\square}{\square} \end{cases}$$

c)  $-x^2 + x + 6 = 0$

$$\left. \begin{array}{l} a = \square \\ b = \square \\ c = \square \end{array} \right\} \rightarrow x = \frac{-\square \pm \sqrt{\square^2 - 4 \cdot \square \cdot \square}}{2 \cdot \square} = \frac{-\square \pm \square}{-\square} \begin{cases} x = \square \\ x = \square \end{cases}$$

d)  $2x^2 - 7x - 4 = 0$

$$\left. \begin{array}{l} a = \square \\ b = \square \\ c = \square \end{array} \right\} \rightarrow x = \frac{-\square \pm \sqrt{\square^2 - 4 \cdot \square \cdot \square}}{2 \cdot \square} = \frac{\square \pm \square}{\square} \begin{cases} x = \square \\ x = -\frac{\square}{\square} \end{cases}$$

e)  $x^2 - 10x + 25 = 0$

$$\left. \begin{array}{l} a = \square \\ b = \square \\ c = \square \end{array} \right\} \rightarrow x = \frac{-\square \pm \sqrt{\square^2 - 4 \cdot \square \cdot \square}}{2 \cdot \square} = \frac{\square \pm \square}{\square} = \square$$

f)  $x^2 - x + 2 = 0$

$$\left. \begin{array}{l} a = \square \\ b = \square \\ c = \square \end{array} \right\} \rightarrow x = \frac{-\square \pm \sqrt{\square^2 - 4 \cdot \square \cdot \square}}{2 \cdot \square} = \frac{\square \pm \sqrt{-\square}}{\square} = \square$$

2 Completa el siguiente cuadro:

	<i>a</i>	<i>b</i>	<i>c</i>	¿TIENE SOLUCIÓN?	$x_1$	$x_2$
$5x^2 - 8x = 0$						
$x^2 - 64 = 0$						
$x^2 - 3x + 4 = 0$						
$4x^2 + x - 3 = 0$						

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