# EWACIONES CUADRÁTICAS

$$\chi = -b \pm \sqrt{bz - 4ac}$$

① 
$$\chi^2 + 5\chi + 6 = 0$$
  
 $\chi = -5 \pm \sqrt{25 - 20}$   
 $\chi_1 = -5 \pm 1$   
 $\chi_2 = -5 \pm 1$   
 $\chi_3 = -5 \pm 1$   
 $\chi_4 = -2$   
 $\chi_5 = -3$ 

### COMPROBACIÓN

$$0 (-3)^{2} + 5(-3) + 6 = 0$$

$$q - 15 + 6 = 0 \Rightarrow 0 = 0$$

$$3 x^{2} + 4x + 3 = 0$$

$$x = -4 \pm \sqrt{16 - 12}$$

$$x = -4 + 2$$

$$x = -4 - 2$$

$$x = -4 - 2$$

$$x_1 = -4$$
  $x_2 = -3$ 

## COMPROBACIÓN

$$(-3)^2 + 4(-3) + 3 = 0$$

$$9 - 12 + 3 = 70 = 0$$

# COMPROBACIÓN

$$(-3)^{2} + 7(-3) + 17 = 0$$

$$9 + 21 + 12 = 0 = 0 = 0$$

② 
$$\chi^{2} - 3x - 4 = 0$$
  
 $\chi = \frac{3 \pm \sqrt{9 + 16}}{2}$   
 $\chi_{1} = \frac{3 + 5}{2}$   $\chi_{2} = \frac{3 - 5}{2}$   
 $\chi_{1} = 4$   $\chi_{2} = -1$ 

#### COMPROBACIÓN

$$0(-1)^{2}-3(-1)-4=0$$

$$1+3-4=0 \Rightarrow 0=0$$

$$(3)^2 - 6(3) + 9 = 0$$

$$9 - 18 + 9 = 0 \Rightarrow 0 = 0$$

$$5) x^{2} + 7x + 12 = 0$$

$$x = -7 \pm \sqrt{49 - 48}$$

$$x = -7 \pm 1$$

$$x = -7 \pm 1$$

$$x = -7 \pm 1$$

$$x = -7 - 1$$

$$y_{01} = -3$$
  $y_{02} = -4$