

# Resolver Cuadráticas (H)

Resuelva cada ecuación en función de x.

1.  $2x^2 + 8x = -6$

7.  $2x^2 - 8x + 6 = 0$

2.  $4x^2 + 20x = -9$

8.  $4x^2 - 16x = -7$

3.  $2x^2 + 2x - 7 = 17$

9.  $2x^2 - 11x + 1 = -4$

4.  $2x^2 - x - 3 = 12$

10.  $4x^2 - 16x + 5 = -7$

5.  $x^2 + 7x - 5 = 13$

11.  $2x^2 + 4x - 11 = 5$

6.  $4x^2 - 22x + 5 = -23$

12.  $4x^2 - 14x - 5 = 13$

# Resolver Cuadráticas (H) Respuestas

Resuelva cada ecuación en función de x.

1.  $2x^2 + 8x = -6$   
 $2x^2 + 8x + 6 = 0$   
 $(x + 3)(2x + 2) = 0$   
 $x = -3, -1$

2.  $4x^2 + 20x = -9$   
 $4x^2 + 20x + 9 = 0$   
 $(2x + 9)(2x + 1) = 0$   
 $x = -4 \frac{1}{2}, -\frac{1}{2}$

3.  $2x^2 + 2x - 7 = 17$   
 $2x^2 + 2x - 24 = 0$   
 $(x - 3)(2x + 8) = 0$   
 $x = 3, -4$

4.  $2x^2 - x - 3 = 12$   
 $2x^2 - x - 15 = 0$   
 $(x - 3)(2x + 5) = 0$   
 $x = 3, -2 \frac{1}{2}$

5.  $x^2 + 7x - 5 = 13$   
 $x^2 + 7x - 18 = 0$   
 $(x + 9)(x - 2) = 0$   
 $x = -9, 2$

6.  $4x^2 - 22x + 5 = -23$   
 $4x^2 - 22x + 28 = 0$   
 $(2x - 7)(2x - 4) = 0$   
 $x = 3 \frac{1}{2}, 2$

7.  $2x^2 - 8x + 6 = 0$   
 $2x^2 - 8x + 6 = 0$   
 $(x - 3)(2x - 2) = 0$   
 $x = 3, 1$

8.  $4x^2 - 16x = -7$   
 $4x^2 - 16x + 7 = 0$   
 $(2x - 1)(2x - 7) = 0$   
 $x = \frac{1}{2}, 3 \frac{1}{2}$

9.  $2x^2 - 11x + 1 = -4$   
 $2x^2 - 11x + 5 = 0$   
 $(2x - 1)(x - 5) = 0$   
 $x = \frac{1}{2}, 5$

10.  $4x^2 - 16x + 5 = -7$   
 $4x^2 - 16x + 12 = 0$   
 $(2x - 2)(2x - 6) = 0$   
 $x = 1, 3$

11.  $2x^2 + 4x - 11 = 5$   
 $2x^2 + 4x - 16 = 0$   
 $(2x + 8)(x - 2) = 0$   
 $x = -4, 2$

12.  $4x^2 - 14x - 5 = 13$   
 $4x^2 - 14x - 18 = 0$   
 $(2x - 9)(2x + 2) = 0$   
 $x = 4 \frac{1}{2}, -1$