

# Resolver Cuadráticas (H)

Resuelva cada ecuación en función de x.

1.  $8x^2 + 45x + 13 = -12$

7.  $81x^2 + 18x - 5 = 58$

2.  $3x^2 - 19x - 7 = 7$

8.  $24x^2 + 34x - 1 = 13$

3.  $8x^2 - 32x + 1 = -13$

9.  $5x^2 + 40x + 5 = -30$

4.  $30x^2 + 15x - 6 = 9$

10.  $48x^2 - 26x - 3 = 1$

5.  $7x^2 - 37x + 1 = -9$

11.  $42x^2 - 73x + 12 = -16$

6.  $12x^2 + 2x - 1 = 3$

12.  $9x^2 - 37x + 1 = -3$

# Resolver Cuadráticas (H) Respuestas

Resuelva cada ecuación en función de x.

1.  $8x^2 + 45x + 13 = -12$   
 $8x^2 + 45x + 25 = 0$   
 $(8x + 5)(x + 5) = 0$   
 $x = -5/8, -5$

2.  $3x^2 - 19x - 7 = 7$   
 $3x^2 - 19x - 14 = 0$   
 $(x - 7)(3x + 2) = 0$   
 $x = 7, -2/3$

3.  $8x^2 - 32x + 1 = -13$   
 $8x^2 - 32x + 14 = 0$   
 $(4x - 2)(2x - 7) = 0$   
 $x = 1/2, 3\ 1/2$

4.  $30x^2 + 15x - 6 = 9$   
 $30x^2 + 15x - 15 = 0$   
 $(5x + 5)(6x - 3) = 0$   
 $x = -1, 1/2$

5.  $7x^2 - 37x + 1 = -9$   
 $7x^2 - 37x + 10 = 0$   
 $(x - 5)(7x - 2) = 0$   
 $x = 5, 2/7$

6.  $12x^2 + 2x - 1 = 3$   
 $12x^2 + 2x - 4 = 0$   
 $(4x - 2)(3x + 2) = 0$   
 $x = 1/2, -2/3$

7.  $81x^2 + 18x - 5 = 58$   
 $81x^2 + 18x - 63 = 0$   
 $(9x - 7)(9x + 9) = 0$   
 $x = 7/9, -1$

8.  $24x^2 + 34x - 1 = 13$   
 $24x^2 + 34x - 14 = 0$   
 $(4x + 7)(6x - 2) = 0$   
 $x = -1\ 3/4, 1/3$

9.  $5x^2 + 40x + 5 = -30$   
 $5x^2 + 40x + 35 = 0$   
 $(5x + 5)(x + 7) = 0$   
 $x = -1, -7$

10.  $48x^2 - 26x - 3 = 1$   
 $48x^2 - 26x - 4 = 0$   
 $(6x - 4)(8x + 1) = 0$   
 $x = 2/3, -1/8$

11.  $42x^2 - 73x + 12 = -16$   
 $42x^2 - 73x + 28 = 0$   
 $(7x - 4)(6x - 7) = 0$   
 $x = 4/7, 1\ 1/6$

12.  $9x^2 - 37x + 1 = -3$   
 $9x^2 - 37x + 4 = 0$   
 $(x - 4)(9x - 1) = 0$   
 $x = 4, 1/9$