

## Resolver Cuadráticas (H)

Resuelva cada ecuación en función de x.

$$1. \quad -21x^2 - 12x + 9 = 0$$

$$7. \quad 64x^2 + 96x + 35 = 0$$

$$2. \quad 5x^2 + 48x + 27 = 0$$

$$8. \quad 20x^2 - 21x + 4 = 0$$

$$3. \quad -12x^2 + 44x + 16 = 0$$

$$9. \quad -49x^2 + 1 = 0$$

$$4. \quad -48x^2 - 58x + 8 = 0$$

$$10. \quad -10x^2 - 3x + 1 = 0$$

$$5. \quad 2x^2 - 11x + 12 = 0$$

$$11. \quad -8x^2 + 43x + 30 = 0$$

$$6. \quad 5x^2 + 49x + 36 = 0$$

$$12. \quad -2x^2 - 6x + 8 = 0$$

# Resolver Cuadráticas (H) Respuestas

Resuelva cada ecuación en función de x.

1.  $-21x^2 - 12x + 9 = 0$   
 $-(3x + 3)(7x - 3) = 0$   
 $x = -1, \quad 3/7$

7.  $64x^2 + 96x + 35 = 0$   
 $(8x + 5)(8x + 7) = 0$   
 $x = -5/8, \quad -7/8$

2.  $5x^2 + 48x + 27 = 0$   
 $(x + 9)(5x + 3) = 0$   
 $x = -9, \quad -3/5$

8.  $20x^2 - 21x + 4 = 0$   
 $(4x - 1)(5x - 4) = 0$   
 $x = 1/4, \quad 4/5$

3.  $-12x^2 + 44x + 16 = 0$   
 $(2x - 8)(6x + 2) = 0$   
 $x = 4, \quad -1/3$

9.  $-49x^2 + 1 = 0$   
 $-(7x + 1)(7x - 1) = 0$   
 $x = -1/7, \quad 1/7$

4.  $-48x^2 - 58x + 8 = 0$   
 $-(8x - 1)(6x + 8) = 0$   
 $x = 1/8, \quad -1 1/3$

10.  $-10x^2 - 3x + 1 = 0$   
 $-(2x + 1)(5x - 1) = 0$   
 $x = -1/2, \quad 1/5$

5.  $2x^2 - 11x + 12 = 0$   
 $(2x - 3)(x - 4) = 0$   
 $x = 1 1/2, \quad 4$

11.  $-8x^2 + 43x + 30 = 0$   
 $-(x - 6)(8x + 5) = 0$   
 $x = 6, \quad -5/8$

6.  $5x^2 + 49x + 36 = 0$   
 $(5x + 4)(x + 9) = 0$   
 $x = -4/5, \quad -9$

12.  $-2x^2 - 6x + 8 = 0$   
 $-(2x - 2)(x + 4) = 0$   
 $x = 1, \quad -4$