

# Resolver Cuadráticas (A)

Resuelva cada ecuación en función de x.

1.  $72x^2 - 135x + 55 = -8$

7.  $63x^2 - 119x + 35 = -21$

2.  $6x^2 - 52x + 23 = -9$

8.  $4x^2 - 20x + 11 = -14$

3.  $9x^2 + 45x - 46 = 8$

9.  $5x^2 - 32x + 12 = 0$

4.  $54x^2 + 99x + 37 = -8$

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

5.  $32x^2 - 84x + 13 = -41$

11.  $8x^2 - 2x - 7 = 3$

6.  $x^2 - 3x - 20 = 8$

12.  $45x^2 + 5x - 18 = 22$

# Resolver Cuadráticas (A) Respuestas

Resuelva cada ecuación en función de x.

1.  $72x^2 - 135x + 55 = -8$   
 $72x^2 - 135x + 63 = 0$   
 $(8x - 7)(9x - 9) = 0$   
 $x = 7/8, 1$

2.  $6x^2 - 52x + 23 = -9$   
 $6x^2 - 52x + 32 = 0$   
 $(x - 8)(6x - 4) = 0$   
 $x = 8, 2/3$

3.  $9x^2 + 45x - 46 = 8$   
 $9x^2 + 45x - 54 = 0$   
 $(x + 6)(9x - 9) = 0$   
 $x = -6, 1$

4.  $54x^2 + 99x + 37 = -8$   
 $54x^2 + 99x + 45 = 0$   
 $(6x + 5)(9x + 9) = 0$   
 $x = -5/6, -1$

5.  $32x^2 - 84x + 13 = -41$   
 $32x^2 - 84x + 54 = 0$   
 $(8x - 9)(4x - 6) = 0$   
 $x = 1 \frac{1}{8}, 1 \frac{1}{2}$

6.  $x^2 - 3x - 20 = 8$   
 $x^2 - 3x - 28 = 0$   
 $(x - 7)(x + 4) = 0$   
 $x = 7, -4$

7.  $63x^2 - 119x + 35 = -21$   
 $63x^2 - 119x + 56 = 0$   
 $(7x - 7)(9x - 8) = 0$   
 $x = 1, 8/9$

8.  $4x^2 - 20x + 11 = -14$   
 $4x^2 - 20x + 25 = 0$   
 $(2x - 5)(2x - 5) = 0$   
 $x = 2 \frac{1}{2}$

9.  $5x^2 - 32x + 12 = 0$   
 $5x^2 - 32x + 12 = 0$   
 $(x - 6)(5x - 2) = 0$   
 $x = 6, 2/5$

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

11.  $8x^2 - 2x - 7 = 3$   
 $8x^2 - 2x - 10 = 0$   
 $(2x + 2)(4x - 5) = 0$   
 $x = -1, 1 \frac{1}{4}$

12.  $45x^2 + 5x - 18 = 22$   
 $45x^2 + 5x - 40 = 0$   
 $(9x - 8)(5x + 5) = 0$   
 $x = 8/9, -1$

## Resolver Cuadráticas (B)

Resuelva cada ecuación en función de x.

1.  $64x^2 - 40x + 5 = -1$

7.  $48x^2 + 82x + 17 = -18$

2.  $28x^2 + 2x - 5 = 1$

8.  $5x^2 - 41x + 1 = -7$

3.  $54x^2 + 57x - 1 = 6$

9.  $36x^2 + 60x + 13 = -3$

4.  $36x^2 - 41x - 1 = 4$

10.  $10x^2 + 12x - 25 = 29$

5.  $48x^2 - 50x - 6 = 1$

11.  $36x^2 + 65x - 22 = 14$

6.  $81x^2 - 81x + 12 = -2$

12.  $12x^2 + 27x = -6$

# Resolver Cuadráticas (B) Respuestas

Resuelva cada ecuación en función de x.

1.  $64x^2 - 40x + 5 = -1$   
 $64x^2 - 40x + 6 = 0$   
 $(8x - 2)(8x - 3) = 0$   
 $x = 1/4, 3/8$

2.  $28x^2 + 2x - 5 = 1$   
 $28x^2 + 2x - 6 = 0$   
 $(4x + 2)(7x - 3) = 0$   
 $x = -1/2, 3/7$

3.  $54x^2 + 57x - 1 = 6$   
 $54x^2 + 57x - 7 = 0$   
 $(9x - 1)(6x + 7) = 0$   
 $x = 1/9, -1\ 1/6$

4.  $36x^2 - 41x - 1 = 4$   
 $36x^2 - 41x - 5 = 0$   
 $(4x - 5)(9x + 1) = 0$   
 $x = 1\ 1/4, -1/9$

5.  $48x^2 - 50x - 6 = 1$   
 $48x^2 - 50x - 7 = 0$   
 $(8x + 1)(6x - 7) = 0$   
 $x = -1/8, 1\ 1/6$

6.  $81x^2 - 81x + 12 = -2$   
 $81x^2 - 81x + 14 = 0$   
 $(9x - 7)(9x - 2) = 0$   
 $x = 7/9, 2/9$

7.  $48x^2 + 82x + 17 = -18$   
 $48x^2 + 82x + 35 = 0$   
 $(6x + 5)(8x + 7) = 0$   
 $x = -5/6, -7/8$

8.  $5x^2 - 41x + 1 = -7$   
 $5x^2 - 41x + 8 = 0$   
 $(x - 8)(5x - 1) = 0$   
 $x = 8, 1/5$

9.  $36x^2 + 60x + 13 = -3$   
 $36x^2 + 60x + 16 = 0$   
 $(6x + 8)(6x + 2) = 0$   
 $x = -1\ 1/3, -1/3$

10.  $10x^2 + 12x - 25 = 29$   
 $10x^2 + 12x - 54 = 0$   
 $(5x - 9)(2x + 6) = 0$   
 $x = 1\ 4/5, -3$

11.  $36x^2 + 65x - 22 = 14$   
 $36x^2 + 65x - 36 = 0$   
 $(9x - 4)(4x + 9) = 0$   
 $x = 4/9, -2\ 1/4$

12.  $12x^2 + 27x = -6$   
 $12x^2 + 27x + 6 = 0$   
 $(4x + 1)(3x + 6) = 0$   
 $x = -1/4, -2$

## Resolver Cuadráticas (C)

Resuelva cada ecuación en función de x.

1.  $32x^2 + 64x + 16 = -14$

7.  $16x^2 + 10x + 1 = 0$

2.  $35x^2 - 73x + 19 = -17$

8.  $40x^2 + 37x + 4 = 0$

3.  $12x^2 - 8x - 3 = 1$

9.  $5x^2 - 23x + 17 = -7$

4.  $49x^2 + 91x + 20 = -22$

10.  $36x^2 + 102x + 65 = -7$

5.  $28x^2 + 51x - 13 = 14$

11.  $40x^2 - 56x + 11 = -5$

6.  $32x^2 + 4x - 42 = 3$

12.  $36x^2 + 47x = -15$

# Resolver Cuadráticas (C) Respuestas

Resuelva cada ecuación en función de x.

1.  $32x^2 + 64x + 16 = -14$   
 $32x^2 + 64x + 30 = 0$   
 $(8x + 6)(4x + 5) = 0$   
 $x = -3/4, -1 1/4$

2.  $35x^2 - 73x + 19 = -17$   
 $35x^2 - 73x + 36 = 0$   
 $(7x - 9)(5x - 4) = 0$   
 $x = 1 2/7, 4/5$

3.  $12x^2 - 8x - 3 = 1$   
 $12x^2 - 8x - 4 = 0$   
 $(3x + 1)(4x - 4) = 0$   
 $x = -1/3, 1$

4.  $49x^2 + 91x + 20 = -22$   
 $49x^2 + 91x + 42 = 0$   
 $(7x + 7)(7x + 6) = 0$   
 $x = -1, -6/7$

5.  $28x^2 + 51x - 13 = 14$   
 $28x^2 + 51x - 27 = 0$   
 $(7x - 3)(4x + 9) = 0$   
 $x = 3/7, -2 1/4$

6.  $32x^2 + 4x - 42 = 3$   
 $32x^2 + 4x - 45 = 0$   
 $(4x + 5)(8x - 9) = 0$   
 $x = -1 1/4, 1 1/8$

7.  $16x^2 + 10x + 1 = 0$   
 $16x^2 + 10x + 1 = 0$   
 $(2x + 1)(8x + 1) = 0$   
 $x = -1/2, -1/8$

8.  $40x^2 + 37x + 4 = 0$   
 $40x^2 + 37x + 4 = 0$   
 $(8x + 1)(5x + 4) = 0$   
 $x = -1/8, -4/5$

9.  $5x^2 - 23x + 17 = -7$   
 $5x^2 - 23x + 24 = 0$   
 $(x - 3)(5x - 8) = 0$   
 $x = 3, 1 3/5$

10.  $36x^2 + 102x + 65 = -7$   
 $36x^2 + 102x + 72 = 0$   
 $(6x + 8)(6x + 9) = 0$   
 $x = -1 1/3, -1 1/2$

11.  $40x^2 - 56x + 11 = -5$   
 $40x^2 - 56x + 16 = 0$   
 $(5x - 2)(8x - 8) = 0$   
 $x = 2/5, 1$

12.  $36x^2 + 47x = -15$   
 $36x^2 + 47x + 15 = 0$   
 $(4x + 3)(9x + 5) = 0$   
 $x = -3/4, -5/9$

## Resolver Cuadráticas (D)

Resuelva cada ecuación en función de x.

1.  $20x^2 + 34x + 10 = -2$

7.  $2x^2 + 19x + 41 = -4$

2.  $16x^2 + 66x + 11 = -24$

8.  $15x^2 - 67x + 4 = -68$

3.  $35x^2 - 101x + 18 = -54$

9.  $12x^2 - 29x + 1 = -14$

4.  $56x^2 + 4x - 7 = 9$

10.  $27x^2 + 96x + 57 = -7$

5.  $9x^2 + 53x - 1 = 5$

11.  $20x^2 + 43x + 18 = -3$

6.  $36x^2 - 2x - 9 = 1$

12.  $32x^2 + 48x + 5 = -11$

# Resolver Cuadráticas (D) Respuestas

Resuelva cada ecuación en función de x.

1.  $20x^2 + 34x + 10 = -2$   
 $20x^2 + 34x + 12 = 0$   
 $(5x + 6)(4x + 2) = 0$   
 $x = -1 \frac{1}{5}, -1/2$

7.  $2x^2 + 19x + 41 = -4$   
 $2x^2 + 19x + 45 = 0$   
 $(2x + 9)(x + 5) = 0$   
 $x = -4 \frac{1}{2}, -5$

2.  $16x^2 + 66x + 11 = -24$   
 $16x^2 + 66x + 35 = 0$   
 $(8x + 5)(2x + 7) = 0$   
 $x = -5/8, -3 \frac{1}{2}$

8.  $15x^2 - 67x + 4 = -68$   
 $15x^2 - 67x + 72 = 0$   
 $(3x - 8)(5x - 9) = 0$   
 $x = 2 \frac{2}{3}, 1 \frac{4}{5}$

3.  $35x^2 - 101x + 18 = -54$   
 $35x^2 - 101x + 72 = 0$   
 $(7x - 9)(5x - 8) = 0$   
 $x = 1 \frac{2}{7}, 1 \frac{3}{5}$

9.  $12x^2 - 29x + 1 = -14$   
 $12x^2 - 29x + 15 = 0$   
 $(4x - 3)(3x - 5) = 0$   
 $x = 3/4, 1 \frac{2}{3}$

4.  $56x^2 + 4x - 7 = 9$   
 $56x^2 + 4x - 16 = 0$   
 $(8x - 4)(7x + 4) = 0$   
 $x = 1/2, -4/7$

10.  $27x^2 + 96x + 57 = -7$   
 $27x^2 + 96x + 64 = 0$   
 $(9x + 8)(3x + 8) = 0$   
 $x = -8/9, -2 \frac{2}{3}$

5.  $9x^2 + 53x - 1 = 5$   
 $9x^2 + 53x - 6 = 0$   
 $(x + 6)(9x - 1) = 0$   
 $x = -6, 1/9$

11.  $20x^2 + 43x + 18 = -3$   
 $20x^2 + 43x + 21 = 0$   
 $(4x + 3)(5x + 7) = 0$   
 $x = -3/4, -1 \frac{2}{5}$

6.  $36x^2 - 2x - 9 = 1$   
 $36x^2 - 2x - 10 = 0$   
 $(4x + 2)(9x - 5) = 0$   
 $x = -1/2, 5/9$

12.  $32x^2 + 48x + 5 = -11$   
 $32x^2 + 48x + 16 = 0$   
 $(8x + 4)(4x + 4) = 0$   
 $x = -1/2, -1$



## Resolver Cuadráticas (E)

Resuelva cada ecuación en función de x.

1.  $24x^2 - 46x + 8 = -12$

7.  $40x^2 - 52x - 18 = 18$

2.  $27x^2 - 57x - 34 = 6$

8.  $12x^2 + 8x - 1 = 3$

3.  $5x^2 - 22x - 14 = 1$

9.  $54x^2 + 60x + 10 = -4$

4.  $8x^2 + 6x - 12 = 8$

10.  $63x^2 + 48x + 8 = -1$

5.  $18x^2 + 54x + 2 = -34$

11.  $15x^2 - 23x + 6 = 0$

6.  $28x^2 + 23x + 1 = -3$

12.  $12x^2 - 16x - 9 = 7$

# Resolver Cuadráticas (E) Respuestas

Resuelva cada ecuación en función de x.

1.  $24x^2 - 46x + 8 = -12$   
 $24x^2 - 46x + 20 = 0$   
 $(4x - 5)(6x - 4) = 0$   
 $x = 1 \frac{1}{4}, \frac{2}{3}$

2.  $27x^2 - 57x - 34 = 6$   
 $27x^2 - 57x - 40 = 0$   
 $(3x - 8)(9x + 5) = 0$   
 $x = 2 \frac{2}{3}, -\frac{5}{9}$

3.  $5x^2 - 22x - 14 = 1$   
 $5x^2 - 22x - 15 = 0$   
 $(5x + 3)(x - 5) = 0$   
 $x = -\frac{3}{5}, 5$

4.  $8x^2 + 6x - 12 = 8$   
 $8x^2 + 6x - 20 = 0$   
 $(4x - 5)(2x + 4) = 0$   
 $x = 1 \frac{1}{4}, -2$

5.  $18x^2 + 54x + 2 = -34$   
 $18x^2 + 54x + 36 = 0$   
 $(2x + 4)(9x + 9) = 0$   
 $x = -2, -1$

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

7.  $40x^2 - 52x - 18 = 18$   
 $40x^2 - 52x - 36 = 0$   
 $(5x - 9)(8x + 4) = 0$   
 $x = 1 \frac{4}{5}, -\frac{1}{2}$

8.  $12x^2 + 8x - 1 = 3$   
 $12x^2 + 8x - 4 = 0$   
 $(4x + 4)(3x - 1) = 0$   
 $x = -1, \frac{1}{3}$

9.  $54x^2 + 60x + 10 = -4$   
 $54x^2 + 60x + 14 = 0$   
 $(9x + 7)(6x + 2) = 0$   
 $x = -\frac{7}{9}, -\frac{1}{3}$

10.  $63x^2 + 48x + 8 = -1$   
 $63x^2 + 48x + 9 = 0$   
 $(9x + 3)(7x + 3) = 0$   
 $x = -\frac{1}{3}, -\frac{3}{7}$

11.  $15x^2 - 23x + 6 = 0$   
 $15x^2 - 23x + 6 = 0$   
 $(3x - 1)(5x - 6) = 0$   
 $x = \frac{1}{3}, 1 \frac{1}{5}$

12.  $12x^2 - 16x - 9 = 7$   
 $12x^2 - 16x - 16 = 0$   
 $(6x + 4)(2x - 4) = 0$   
 $x = -\frac{2}{3}, 2$

## Resolver Cuadráticas (F)

Resuelva cada ecuación en función de x.

1.  $32x^2 - 8x - 8 = 16$

7.  $18x^2 - 51x + 16 = -5$

2.  $2x^2 - 17x + 31 = -5$

8.  $7x^2 + 2x - 1 = 4$

3.  $36x^2 + 33x - 13 = 2$

9.  $24x^2 + 85x + 29 = -27$

4.  $x^2 - 11x + 14 = -16$

10.  $25x^2 - 90x + 74 = -7$

5.  $72x^2 + 3x - 4 = 5$

11.  $40x^2 - 84x + 11 = -21$

6.  $9x^2 + 76x + 20 = -12$

12.  $48x^2 - 88x + 3 = -37$

# Resolver Cuadráticas (F) Respuestas

Resuelva cada ecuación en función de x.

1.  $32x^2 - 8x - 8 = 16$   
 $32x^2 - 8x - 24 = 0$   
 $(4x - 4)(8x + 6) = 0$   
 $x = 1, -3/4$

2.  $2x^2 - 17x + 31 = -5$   
 $2x^2 - 17x + 36 = 0$   
 $(x - 4)(2x - 9) = 0$   
 $x = 4, 4\frac{1}{2}$

3.  $36x^2 + 33x - 13 = 2$   
 $36x^2 + 33x - 15 = 0$   
 $(9x - 3)(4x + 5) = 0$   
 $x = 1/3, -1\frac{1}{4}$

4.  $x^2 - 11x + 14 = -16$   
 $x^2 - 11x + 30 = 0$   
 $(x - 5)(x - 6) = 0$   
 $x = 5, 6$

5.  $72x^2 + 3x - 4 = 5$   
 $72x^2 + 3x - 9 = 0$   
 $(8x + 3)(9x - 3) = 0$   
 $x = -3/8, 1/3$

6.  $9x^2 + 76x + 20 = -12$   
 $9x^2 + 76x + 32 = 0$   
 $(x + 8)(9x + 4) = 0$   
 $x = -8, -4/9$

7.  $18x^2 - 51x + 16 = -5$   
 $18x^2 - 51x + 21 = 0$   
 $(3x - 7)(6x - 3) = 0$   
 $x = 2\frac{1}{3}, 1/2$

8.  $7x^2 + 2x - 1 = 4$   
 $7x^2 + 2x - 5 = 0$   
 $(7x - 5)(x + 1) = 0$   
 $x = 5/7, -1$

9.  $24x^2 + 85x + 29 = -27$   
 $24x^2 + 85x + 56 = 0$   
 $(3x + 8)(8x + 7) = 0$   
 $x = -2\frac{2}{3}, -7/8$

10.  $25x^2 - 90x + 74 = -7$   
 $25x^2 - 90x + 81 = 0$   
 $(5x - 9)(5x - 9) = 0$   
 $x = 1\frac{4}{5}$

11.  $40x^2 - 84x + 11 = -21$   
 $40x^2 - 84x + 32 = 0$   
 $(5x - 8)(8x - 4) = 0$   
 $x = 1\frac{3}{5}, 1/2$

12.  $48x^2 - 88x + 3 = -37$   
 $48x^2 - 88x + 40 = 0$   
 $(6x - 5)(8x - 8) = 0$   
 $x = 5/6, 1$

# Resolver Cuadráticas (G)

Resuelva cada ecuación en función de x.

1.  $6x^2 - 38x + 4 = -8$

7.  $14x^2 - 21x - 14 = 21$

2.  $6x^2 - 14x + 3 = -1$

8.  $63x^2 - 56x - 2 = 5$

3.  $8x^2 + 28x - 3 = 13$

9.  $24x^2 - 79x + 39 = -1$

4.  $49x^2 - 21x - 17 = 1$

10.  $7x^2 + 34x + 10 = -14$

5.  $72x^2 + 18x - 8 = 46$

11.  $6x^2 + 14x - 4 = 8$

6.  $54x^2 + 48x + 7 = -3$

12.  $2x^2 + 7x - 1 = 3$

# Resolver Cuadráticas (G) Respuestas

Resuelva cada ecuación en función de x.

1.  $6x^2 - 38x + 4 = -8$   
 $6x^2 - 38x + 12 = 0$   
 $(6x - 2)(x - 6) = 0$   
 $x = 1/3, 6$

2.  $6x^2 - 14x + 3 = -1$   
 $6x^2 - 14x + 4 = 0$   
 $(2x - 4)(3x - 1) = 0$   
 $x = 2, 1/3$

3.  $8x^2 + 28x - 3 = 13$   
 $8x^2 + 28x - 16 = 0$   
 $(4x - 2)(2x + 8) = 0$   
 $x = 1/2, -4$

4.  $49x^2 - 21x - 17 = 1$   
 $49x^2 - 21x - 18 = 0$   
 $(7x + 3)(7x - 6) = 0$   
 $x = -3/7, 6/7$

5.  $72x^2 + 18x - 8 = 46$   
 $72x^2 + 18x - 54 = 0$   
 $(8x - 6)(9x + 9) = 0$   
 $x = 3/4, -1$

6.  $54x^2 + 48x + 7 = -3$   
 $54x^2 + 48x + 10 = 0$   
 $(6x + 2)(9x + 5) = 0$   
 $x = -1/3, -5/9$

7.  $14x^2 - 21x - 14 = 21$   
 $14x^2 - 21x - 35 = 0$   
 $(2x - 5)(7x + 7) = 0$   
 $x = 2 1/2, -1$

8.  $63x^2 - 56x - 2 = 5$   
 $63x^2 - 56x - 7 = 0$   
 $(9x + 1)(7x - 7) = 0$   
 $x = -1/9, 1$

9.  $24x^2 - 79x + 39 = -1$   
 $24x^2 - 79x + 40 = 0$   
 $(8x - 5)(3x - 8) = 0$   
 $x = 5/8, 2 2/3$

10.  $7x^2 + 34x + 10 = -14$   
 $7x^2 + 34x + 24 = 0$   
 $(x + 4)(7x + 6) = 0$   
 $x = -4, -6/7$

11.  $6x^2 + 14x - 4 = 8$   
 $6x^2 + 14x - 12 = 0$   
 $(6x - 4)(x + 3) = 0$   
 $x = 2/3, -3$

12.  $2x^2 + 7x - 1 = 3$   
 $2x^2 + 7x - 4 = 0$   
 $(2x - 1)(x + 4) = 0$   
 $x = 1/2, -4$

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



# Resolver Cuadráticas (I)

Resuelva cada ecuación en función de x.

1.  $18x^2 - 18x - 6 = 14$

7.  $28x^2 - 37x - 3 = 18$

2.  $40x^2 - 19x - 7 = 7$

8.  $28x^2 + 6x - 41 = 13$

3.  $14x^2 - 32x + 15 = -3$

9.  $15x^2 - 21x = -6$

4.  $6x^2 + 4x - 6 = 10$

10.  $9x^2 + 68x + 30 = -5$

5.  $10x^2 + 7x - 3 = 9$

11.  $24x^2 + 38x - 12 = 24$

6.  $27x^2 + 54x - 7 = 74$

12.  $3x^2 + 13x + 1 = -3$

# Resolver Cuadráticas (I) Respuestas

Resuelva cada ecuación en función de x.

1.  $18x^2 - 18x - 6 = 14$   
 $18x^2 - 18x - 20 = 0$   
 $(6x + 4)(3x - 5) = 0$   
 $x = -2/3, 1\ 2/3$

2.  $40x^2 - 19x - 7 = 7$   
 $40x^2 - 19x - 14 = 0$   
 $(8x - 7)(5x + 2) = 0$   
 $x = 7/8, -2/5$

3.  $14x^2 - 32x + 15 = -3$   
 $14x^2 - 32x + 18 = 0$   
 $(2x - 2)(7x - 9) = 0$   
 $x = 1, 1\ 2/7$

4.  $6x^2 + 4x - 6 = 10$   
 $6x^2 + 4x - 16 = 0$   
 $(3x - 4)(2x + 4) = 0$   
 $x = 1\ 1/3, -2$

5.  $10x^2 + 7x - 3 = 9$   
 $10x^2 + 7x - 12 = 0$   
 $(5x - 4)(2x + 3) = 0$   
 $x = 4/5, -1\ 1/2$

6.  $27x^2 + 54x - 7 = 74$   
 $27x^2 + 54x - 81 = 0$   
 $(9x - 9)(3x + 9) = 0$   
 $x = 1, -3$

7.  $28x^2 - 37x - 3 = 18$   
 $28x^2 - 37x - 21 = 0$   
 $(7x + 3)(4x - 7) = 0$   
 $x = -3/7, 1\ 3/4$

8.  $28x^2 + 6x - 41 = 13$   
 $28x^2 + 6x - 54 = 0$   
 $(4x + 6)(7x - 9) = 0$   
 $x = -1\ 1/2, 1\ 2/7$

9.  $15x^2 - 21x = -6$   
 $15x^2 - 21x + 6 = 0$   
 $(3x - 3)(5x - 2) = 0$   
 $x = 1, 2/5$

10.  $9x^2 + 68x + 30 = -5$   
 $9x^2 + 68x + 35 = 0$   
 $(x + 7)(9x + 5) = 0$   
 $x = -7, -5/9$

11.  $24x^2 + 38x - 12 = 24$   
 $24x^2 + 38x - 36 = 0$   
 $(6x - 4)(4x + 9) = 0$   
 $x = 2/3, -2\ 1/4$

12.  $3x^2 + 13x + 1 = -3$   
 $3x^2 + 13x + 4 = 0$   
 $(x + 4)(3x + 1) = 0$   
 $x = -4, -1/3$

# Resolver Cuadráticas (J)

Resuelva cada ecuación en función de x.

1.  $48x^2 - 5 = 7$

7.  $6x^2 - 12x + 2 = -4$

2.  $64x^2 + 80x + 13 = -3$

8.  $9x^2 + 27x + 5 = -9$

3.  $35x^2 + 69x + 23 = -5$

9.  $40x^2 + 6x - 1 = 3$

4.  $20x^2 + 42x + 2 = -16$

10.  $4x^2 + 22x + 6 = -4$

5.  $4x^2 + 6x - 1 = 3$

11.  $14x^2 - 30x + 16 = 0$

6.  $8x^2 + 12x - 7 = 1$

12.  $14x^2 + 77x + 32 = -31$

# Resolver Cuadráticas (J) Respuestas

Resuelva cada ecuación en función de x.

1.  $48x^2 - 5 = 7$   
 $48x^2 - 12 = 0$   
 $(6x + 3)(8x - 4) = 0$   
 $x = -1/2, 1/2$

2.  $64x^2 + 80x + 13 = -3$   
 $64x^2 + 80x + 16 = 0$   
 $(8x + 8)(8x + 2) = 0$   
 $x = -1, -1/4$

3.  $35x^2 + 69x + 23 = -5$   
 $35x^2 + 69x + 28 = 0$   
 $(7x + 4)(5x + 7) = 0$   
 $x = -4/7, -1 2/5$

4.  $20x^2 + 42x + 2 = -16$   
 $20x^2 + 42x + 18 = 0$   
 $(4x + 6)(5x + 3) = 0$   
 $x = -1 1/2, -3/5$

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

6.  $8x^2 + 12x - 7 = 1$   
 $8x^2 + 12x - 8 = 0$   
 $(4x + 8)(2x - 1) = 0$   
 $x = -2, 1/2$

7.  $6x^2 - 12x + 2 = -4$   
 $6x^2 - 12x + 6 = 0$   
 $(x - 1)(6x - 6) = 0$   
 $x = 1$

8.  $9x^2 + 27x + 5 = -9$   
 $9x^2 + 27x + 14 = 0$   
 $(3x + 7)(3x + 2) = 0$   
 $x = -2 1/3, -2/3$

9.  $40x^2 + 6x - 1 = 3$   
 $40x^2 + 6x - 4 = 0$   
 $(8x - 2)(5x + 2) = 0$   
 $x = 1/4, -2/5$

10.  $4x^2 + 22x + 6 = -4$   
 $4x^2 + 22x + 10 = 0$   
 $(4x + 2)(x + 5) = 0$   
 $x = -1/2, -5$

11.  $14x^2 - 30x + 16 = 0$   
 $14x^2 - 30x + 16 = 0$   
 $(7x - 8)(2x - 2) = 0$   
 $x = 1 1/7, 1$

12.  $14x^2 + 77x + 32 = -31$   
 $14x^2 + 77x + 63 = 0$   
 $(7x + 7)(2x + 9) = 0$   
 $x = -1, -4 1/2$