

Resolver Cuadráticas (A)

Resuelva cada ecuación en función de x.

1. $-25x^2 - 5x + 54 = -2$

7. $-36x^2 - 45x - 6 = 3$

2. $-6x^2 - 19x - 1 = 9$

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

3. $36x^2 + 100x + 49 = -7$

9. $-35x^2 - 47x - 2 = 6$

4. $72x^2 - 91x + 11 = -13$

10. $18x^2 + 12x - 6 = 10$

5. $36x^2 - 36x - 53 = 19$

11. $9x^2 - 12x - 4 = 8$

6. $-64x^2 - 112x - 40 = 8$

12. $36x^2 + 52x + 10 = -6$

Resolver Cuadráticas (A) Respuestas

Resuelva cada ecuación en función de x.

1. $-25x^2 - 5x + 54 = -2$
 $-25x^2 - 5x + 56 = 0$
 $-(5x - 7)(5x + 8) = 0$
 $x = 1 \frac{2}{5}, -1 \frac{3}{5}$

2. $-6x^2 - 19x - 1 = 9$
 $-6x^2 - 19x - 10 = 0$
 $(3x + 2)(2x + 5) = 0$
 $x = -\frac{2}{3}, -2 \frac{1}{2}$

3. $36x^2 + 100x + 49 = -7$
 $36x^2 + 100x + 56 = 0$
 $(4x + 8)(9x + 7) = 0$
 $x = -2, -\frac{7}{9}$

4. $72x^2 - 91x + 11 = -13$
 $72x^2 - 91x + 24 = 0$
 $(8x - 3)(9x - 8) = 0$
 $x = \frac{3}{8}, \frac{8}{9}$

5. $36x^2 - 36x - 53 = 19$
 $36x^2 - 36x - 72 = 0$
 $(9x + 9)(4x - 8) = 0$
 $x = -1, 2$

6. $-64x^2 - 112x - 40 = 8$
 $-64x^2 - 112x - 48 = 0$
 $(8x + 8)(8x + 6) = 0$
 $x = -1, -\frac{3}{4}$

7. $-36x^2 - 45x - 6 = 3$
 $-36x^2 - 45x - 9 = 0$
 $-(4x + 1)(9x + 9) = 0$
 $x = -\frac{1}{4}, -1$

8. $3x^2 + 9x - 3 = 9$
 $3x^2 + 9x - 12 = 0$
 $(3x - 3)(x + 4) = 0$
 $x = 1, -4$

9. $-35x^2 - 47x - 2 = 6$
 $-35x^2 - 47x - 8 = 0$
 $-(7x + 8)(5x + 1) = 0$
 $x = -1 \frac{1}{7}, -\frac{1}{5}$

10. $18x^2 + 12x - 6 = 10$
 $18x^2 + 12x - 16 = 0$
 $(3x + 4)(6x - 4) = 0$
 $x = -1 \frac{1}{3}, \frac{2}{3}$

11. $9x^2 - 12x - 4 = 8$
 $9x^2 - 12x - 12 = 0$
 $(3x + 2)(3x - 6) = 0$
 $x = -\frac{2}{3}, 2$

12. $36x^2 + 52x + 10 = -6$
 $36x^2 + 52x + 16 = 0$
 $(4x + 4)(9x + 4) = 0$
 $x = -1, -\frac{4}{9}$

Resolver Cuadráticas (B)

Resuelva cada ecuación en función de x.

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

7. $-72x^2 - 7x + 1 = -1$

2. $-16x^2 - 52x - 8 = 32$

8. $49x^2 - 98x + 29 = -19$

3. $48x^2 + 76x + 1 = -29$

9. $30x^2 + 17x - 5 = 16$

4. $18x^2 + 27x - 1 = 4$

10. $-72x^2 - 12x + 11 = -1$

5. $-4x^2 + 15x + 30 = -24$

11. $-7x^2 - 35x - 11 = 17$

6. $3x^2 + 12x - 10 = 5$

12. $-24x^2 - 40x - 4 = 12$

Resolver Cuadráticas (B) Respuestas

Resuelva cada ecuación en función de x.

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

2. $-16x^2 - 52x - 8 = 32$
 $-16x^2 - 52x - 40 = 0$
 $(4x + 5)(4x + 8) = 0$
 $x = -1 \frac{1}{4}, -2$

3. $48x^2 + 76x + 1 = -29$
 $48x^2 + 76x + 30 = 0$
 $(6x + 5)(8x + 6) = 0$
 $x = -5/6, -3/4$

4. $18x^2 + 27x - 1 = 4$
 $18x^2 + 27x - 5 = 0$
 $(3x + 5)(6x - 1) = 0$
 $x = -1 \frac{2}{3}, 1/6$

5. $-4x^2 + 15x + 30 = -24$
 $-4x^2 + 15x + 54 = 0$
 $(4x + 9)(x - 6) = 0$
 $x = -2 \frac{1}{4}, 6$

6. $3x^2 + 12x - 10 = 5$
 $3x^2 + 12x - 15 = 0$
 $(3x - 3)(x + 5) = 0$
 $x = 1, -5$

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

8. $49x^2 - 98x + 29 = -19$
 $49x^2 - 98x + 48 = 0$
 $(7x - 6)(7x - 8) = 0$
 $x = 6/7, 1 \frac{1}{7}$

9. $30x^2 + 17x - 5 = 16$
 $30x^2 + 17x - 21 = 0$
 $(5x - 3)(6x + 7) = 0$
 $x = 3/5, -1 \frac{1}{6}$

10. $-72x^2 - 12x + 11 = -1$
 $-72x^2 - 12x + 12 = 0$
 $-(9x - 3)(8x + 4) = 0$
 $x = 1/3, -1/2$

11. $-7x^2 - 35x - 11 = 17$
 $-7x^2 - 35x - 28 = 0$
 $-(7x + 7)(x + 4) = 0$
 $x = -1, -4$

12. $-24x^2 - 40x - 4 = 12$
 $-24x^2 - 40x - 16 = 0$
 $-(4x + 4)(6x + 4) = 0$
 $x = -1, -2/3$

Resolver Cuadráticas (C)

Resuelva cada ecuación en función de x.

1. $-64x^2 + 8x + 2 = 0$

7. $72x^2 + 59x + 6 = -6$

2. $15x^2 - 39x - 1 = 17$

8. $3x^2 - 19x + 3 = -3$

3. $-18x^2 + 3x + 9 = -19$

9. $24x^2 + 26x + 4 = -2$

4. $56x^2 - 9x - 71 = 10$

10. $-21x^2 - 36x - 14 = 1$

5. $-48x^2 - 16x + 26 = -6$

11. $35x^2 + 77x + 24 = -18$

6. $-72x^2 + 12x + 8 = -16$

12. $-3x^2 + 16x + 1 = -63$

Resolver Cuadráticas (C) Respuestas

Resuelva cada ecuación en función de x.

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

2. $15x^2 - 39x - 1 = 17$
 $15x^2 - 39x - 18 = 0$
 $(5x + 2)(3x - 9) = 0$
 $x = -2/5, 3$

3. $-18x^2 + 3x + 9 = -19$
 $-18x^2 + 3x + 28 = 0$
 $(6x + 7)(3x - 4) = 0$
 $x = -1\frac{1}{6}, 1\frac{1}{3}$

4. $56x^2 - 9x - 71 = 10$
 $56x^2 - 9x - 81 = 0$
 $(7x - 9)(8x + 9) = 0$
 $x = 1\frac{2}{7}, -1\frac{1}{8}$

5. $-48x^2 - 16x + 26 = -6$
 $-48x^2 - 16x + 32 = 0$
 $(6x - 4)(8x + 8) = 0$
 $x = 2/3, -1$

6. $-72x^2 + 12x + 8 = -16$
 $-72x^2 + 12x + 24 = 0$
 $(9x - 6)(8x + 4) = 0$
 $x = 2/3, -1/2$

7. $72x^2 + 59x + 6 = -6$
 $72x^2 + 59x + 12 = 0$
 $(8x + 3)(9x + 4) = 0$
 $x = -3/8, -4/9$

8. $3x^2 - 19x + 3 = -3$
 $3x^2 - 19x + 6 = 0$
 $(x - 6)(3x - 1) = 0$
 $x = 6, 1/3$

9. $24x^2 + 26x + 4 = -2$
 $24x^2 + 26x + 6 = 0$
 $(6x + 2)(4x + 3) = 0$
 $x = -1/3, -3/4$

10. $-21x^2 - 36x - 14 = 1$
 $-21x^2 - 36x - 15 = 0$
 $-(3x + 3)(7x + 5) = 0$
 $x = -1, -5/7$

11. $35x^2 + 77x + 24 = -18$
 $35x^2 + 77x + 42 = 0$
 $(7x + 7)(5x + 6) = 0$
 $x = -1, -1\frac{1}{5}$

12. $-3x^2 + 16x + 1 = -63$
 $-3x^2 + 16x + 64 = 0$
 $-(x - 8)(3x + 8) = 0$
 $x = 8, -2\frac{2}{3}$

Resolver Cuadráticas (D)

Resuelva cada ecuación en función de x.

1. $-4x^2 + 25x - 25 = 11$

7. $5x^2 - 7x - 16 = 8$

2. $-8x^2 + 22x - 10 = 2$

8. $9x^2 - 3 = 1$

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

9. $21x^2 - 46x + 6 = -18$

4. $-14x^2 + 9x + 5 = -3$

10. $-6x^2 - 4x + 7 = -9$

5. $18x^2 - 24x - 2 = 8$

11. $-48x^2 - 44x + 1 = -13$

6. $35x^2 - 34x - 5 = 16$

12. $-24x^2 + 20x + 11 = -13$

Resolver Cuadráticas (D) Respuestas

Resuelva cada ecuación en función de x.

1. $-4x^2 + 25x - 25 = 11$
 $-4x^2 + 25x - 36 = 0$
 $-(4x - 9)(x - 4) = 0$
 $x = 2 \frac{1}{4}, 4$

2. $-8x^2 + 22x - 10 = 2$
 $-8x^2 + 22x - 12 = 0$
 $(x - 2)(8x - 6) = 0$
 $x = 2, \frac{3}{4}$

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

4. $-14x^2 + 9x + 5 = -3$
 $-14x^2 + 9x + 8 = 0$
 $-(2x + 1)(7x - 8) = 0$
 $x = -\frac{1}{2}, 1 \frac{1}{7}$

5. $18x^2 - 24x - 2 = 8$
 $18x^2 - 24x - 10 = 0$
 $(6x + 2)(3x - 5) = 0$
 $x = -\frac{1}{3}, 1 \frac{2}{3}$

6. $35x^2 - 34x - 5 = 16$
 $35x^2 - 34x - 21 = 0$
 $(7x + 3)(5x - 7) = 0$
 $x = -\frac{3}{7}, 1 \frac{2}{5}$

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

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

9. $21x^2 - 46x + 6 = -18$
 $21x^2 - 46x + 24 = 0$
 $(7x - 6)(3x - 4) = 0$
 $x = \frac{6}{7}, 1 \frac{1}{3}$

10. $-6x^2 - 4x + 7 = -9$
 $-6x^2 - 4x + 16 = 0$
 $-(x + 2)(6x - 8) = 0$
 $x = -2, 1 \frac{1}{3}$

11. $-48x^2 - 44x + 1 = -13$
 $-48x^2 - 44x + 14 = 0$
 $-(6x + 7)(8x - 2) = 0$
 $x = -1 \frac{1}{6}, \frac{1}{4}$

12. $-24x^2 + 20x + 11 = -13$
 $-24x^2 + 20x + 24 = 0$
 $-(4x - 6)(6x + 4) = 0$
 $x = 1 \frac{1}{2}, -\frac{2}{3}$

Resolver Cuadráticas (E)

Resuelva cada ecuación en función de x.

1. $-12x^2 - 26x - 10 = 2$

7. $24x^2 + 38x + 3 = -5$

2. $8x^2 + 71x - 7 = 2$

8. $-4x^2 - 27x - 7 = 11$

3. $2x^2 - 20x + 1 = -31$

9. $-49x^2 + 28x = -45$

4. $-20x^2 - 26x + 13 = -5$

10. $3x^2 + 13x + 8 = -6$

5. $-4x^2 - 19x + 14 = -16$

11. $-7x^2 - 5x + 1 = -1$

6. $-14x^2 + 11x - 1 = 1$

12. $9x^2 + 17x + 1 = -7$

Resolver Cuadráticas (E) Respuestas

Resuelva cada ecuación en función de x.

1. $-12x^2 - 26x - 10 = 2$
 $-12x^2 - 26x - 12 = 0$
 $-(4x + 6)(3x + 2) = 0$
 $x = -1 \frac{1}{2}, -\frac{2}{3}$

2. $8x^2 + 71x - 7 = 2$
 $8x^2 + 71x - 9 = 0$
 $(8x - 1)(x + 9) = 0$
 $x = \frac{1}{8}, -9$

3. $2x^2 - 20x + 1 = -31$
 $2x^2 - 20x + 32 = 0$
 $(2x - 4)(x - 8) = 0$
 $x = 2, 8$

4. $-20x^2 - 26x + 13 = -5$
 $-20x^2 - 26x + 18 = 0$
 $-(5x + 9)(4x - 2) = 0$
 $x = -1 \frac{4}{5}, \frac{1}{2}$

5. $-4x^2 - 19x + 14 = -16$
 $-4x^2 - 19x + 30 = 0$
 $(x + 6)(4x - 5) = 0$
 $x = -6, 1 \frac{1}{4}$

6. $-14x^2 + 11x - 1 = 1$
 $-14x^2 + 11x - 2 = 0$
 $(2x - 1)(7x - 2) = 0$
 $x = \frac{1}{2}, \frac{2}{7}$

7. $24x^2 + 38x + 3 = -5$
 $24x^2 + 38x + 8 = 0$
 $(4x + 1)(6x + 8) = 0$
 $x = -\frac{1}{4}, -1 \frac{1}{3}$

8. $-4x^2 - 27x - 7 = 11$
 $-4x^2 - 27x - 18 = 0$
 $-(x + 6)(4x + 3) = 0$
 $x = -6, -\frac{3}{4}$

9. $-49x^2 + 28x = -45$
 $-49x^2 + 28x + 45 = 0$
 $-(7x - 9)(7x + 5) = 0$
 $x = 1 \frac{2}{7}, -\frac{5}{7}$

10. $3x^2 + 13x + 8 = -6$
 $3x^2 + 13x + 14 = 0$
 $(x + 2)(3x + 7) = 0$
 $x = -2, -2 \frac{1}{3}$

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

12. $9x^2 + 17x + 1 = -7$
 $9x^2 + 17x + 8 = 0$
 $(x + 1)(9x + 8) = 0$
 $x = -1, -\frac{8}{9}$

Resolver Cuadráticas (F)

Resuelva cada ecuación en función de x.

1. $-36x^2 + 6x + 2 = -18$

7. $-36x^2 + 18x + 6 = -4$

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

8. $-16x^2 + 30x + 23 = -2$

3. $-48x^2 - 80x - 6 = 22$

9. $-28x^2 + 60x - 14 = 18$

4. $45x^2 - 6x - 2 = 1$

10. $36x^2 - 60x + 17 = -7$

5. $-36x^2 + 39x - 4 = 5$

11. $45x^2 + 4x - 1 = 0$

6. $28x^2 + 2x - 4 = 2$

12. $54x^2 + 18x - 33 = 3$

Resolver Cuadráticas (F) Respuestas

Resuelva cada ecuación en función de x.

1. $-36x^2 + 6x + 2 = -18$
 $-36x^2 + 6x + 20 = 0$
 $-(6x - 5)(6x + 4) = 0$
 $x = 5/6, -2/3$

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

3. $-48x^2 - 80x - 6 = 22$
 $-48x^2 - 80x - 28 = 0$
 $(6x + 7)(8x + 4) = 0$
 $x = -1\frac{1}{6}, -1/2$

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

5. $-36x^2 + 39x - 4 = 5$
 $-36x^2 + 39x - 9 = 0$
 $(4x - 3)(9x - 3) = 0$
 $x = 3/4, 1/3$

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

7. $-36x^2 + 18x + 6 = -4$
 $-36x^2 + 18x + 10 = 0$
 $-(6x + 2)(6x - 5) = 0$
 $x = -1/3, 5/6$

8. $-16x^2 + 30x + 23 = -2$
 $-16x^2 + 30x + 25 = 0$
 $-(8x + 5)(2x - 5) = 0$
 $x = -5/8, 2\frac{1}{2}$

9. $-28x^2 + 60x - 14 = 18$
 $-28x^2 + 60x - 32 = 0$
 $-(4x - 4)(7x - 8) = 0$
 $x = 1, 1\frac{1}{7}$

10. $36x^2 - 60x + 17 = -7$
 $36x^2 - 60x + 24 = 0$
 $(9x - 6)(4x - 4) = 0$
 $x = 2/3, 1$

11. $45x^2 + 4x - 1 = 0$
 $45x^2 + 4x - 1 = 0$
 $(5x + 1)(9x - 1) = 0$
 $x = -1/5, 1/9$

12. $54x^2 + 18x - 33 = 3$
 $54x^2 + 18x - 36 = 0$
 $(9x - 6)(6x + 6) = 0$
 $x = 2/3, -1$

Resolver Cuadráticas (G)

Resuelva cada ecuación en función de x.

1. $27x^2 + 45x - 27 = 45$

7. $35x^2 - 34 = 1$

2. $-18x^2 + 34x - 7 = 9$

8. $-24x^2 + 67x - 5 = 3$

3. $2x^2 + 19x + 12 = -30$

9. $21x^2 + 8x - 2 = 3$

4. $27x^2 + 36x - 7 = 8$

10. $-7x^2 + 51x - 2 = 52$

5. $81x^2 - 54x - 21 = 6$

11. $24x^2 + 55x - 2 = 22$

6. $-45x^2 + 42x + 9 = -39$

12. $45x^2 + 19x + 1 = -1$

Resolver Cuadráticas (G) Respuestas

Resuelva cada ecuación en función de x.

1. $27x^2 + 45x - 27 = 45$
 $27x^2 + 45x - 72 = 0$
 $(9x - 9)(3x + 8) = 0$
 $x = 1, -2 \frac{2}{3}$

2. $-18x^2 + 34x - 7 = 9$
 $-18x^2 + 34x - 16 = 0$
 $(9x - 8)(2x - 2) = 0$
 $x = \frac{8}{9}, 1$

3. $2x^2 + 19x + 12 = -30$
 $2x^2 + 19x + 42 = 0$
 $(x + 6)(2x + 7) = 0$
 $x = -6, -3 \frac{1}{2}$

4. $27x^2 + 36x - 7 = 8$
 $27x^2 + 36x - 15 = 0$
 $(9x - 3)(3x + 5) = 0$
 $x = \frac{1}{3}, -1 \frac{2}{3}$

5. $81x^2 - 54x - 21 = 6$
 $81x^2 - 54x - 27 = 0$
 $(9x - 9)(9x + 3) = 0$
 $x = 1, -\frac{1}{3}$

6. $-45x^2 + 42x + 9 = -39$
 $-45x^2 + 42x + 48 = 0$
 $(9x + 6)(5x - 8) = 0$
 $x = -\frac{2}{3}, 1 \frac{3}{5}$

7. $35x^2 - 34 = 1$
 $35x^2 - 35 = 0$
 $(5x - 5)(7x + 7) = 0$
 $x = 1, -1$

8. $-24x^2 + 67x - 5 = 3$
 $-24x^2 + 67x - 8 = 0$
 $-(8x - 1)(3x - 8) = 0$
 $x = \frac{1}{8}, 2 \frac{2}{3}$

9. $21x^2 + 8x - 2 = 3$
 $21x^2 + 8x - 5 = 0$
 $(7x + 5)(3x - 1) = 0$
 $x = -\frac{5}{7}, \frac{1}{3}$

10. $-7x^2 + 51x - 2 = 52$
 $-7x^2 + 51x - 54 = 0$
 $-(x - 6)(7x - 9) = 0$
 $x = 6, 1 \frac{2}{7}$

11. $24x^2 + 55x - 2 = 22$
 $24x^2 + 55x - 24 = 0$
 $(3x + 8)(8x - 3) = 0$
 $x = -2 \frac{2}{3}, \frac{3}{8}$

12. $45x^2 + 19x + 1 = -1$
 $45x^2 + 19x + 2 = 0$
 $(9x + 2)(5x + 1) = 0$
 $x = -\frac{2}{9}, -\frac{1}{5}$

Resolver Cuadráticas (H)

Resuelva cada ecuación en función de x.

1. $-8x^2 - 71x - 2 = 54$

7. $9x^2 + 9x - 3 = 1$

2. $10x^2 - 33x + 8 = -19$

8. $-6x^2 + 16x + 4 = -2$

3. $-6x^2 + 12x + 3 = -15$

9. $-49x^2 - 28x + 30 = -2$

4. $-3x^2 + 24x - 31 = 5$

10. $-72x^2 - 30x + 8 = -10$

5. $16x^2 + 42x + 5 = -15$

11. $2x^2 + 7x + 6 = 0$

6. $-4x^2 - 26x - 2 = 38$

12. $3x^2 - 10x - 4 = 4$

Resolver Cuadráticas (H) Respuestas

Resuelva cada ecuación en función de x.

1. $-8x^2 - 71x - 2 = 54$
 $-8x^2 - 71x - 56 = 0$
 $-(8x + 7)(x + 8) = 0$
 $x = -7/8, -8$

2. $10x^2 - 33x + 8 = -19$
 $10x^2 - 33x + 27 = 0$
 $(5x - 9)(2x - 3) = 0$
 $x = 1\frac{4}{5}, 1\frac{1}{2}$

3. $-6x^2 + 12x + 3 = -15$
 $-6x^2 + 12x + 18 = 0$
 $(3x - 9)(2x + 2) = 0$
 $x = 3, -1$

4. $-3x^2 + 24x - 31 = 5$
 $-3x^2 + 24x - 36 = 0$
 $-(3x - 6)(x - 6) = 0$
 $x = 2, 6$

5. $16x^2 + 42x + 5 = -15$
 $16x^2 + 42x + 20 = 0$
 $(2x + 4)(8x + 5) = 0$
 $x = -2, -5/8$

6. $-4x^2 - 26x - 2 = 38$
 $-4x^2 - 26x - 40 = 0$
 $(2x + 8)(2x + 5) = 0$
 $x = -4, -2\frac{1}{2}$

7. $9x^2 + 9x - 3 = 1$
 $9x^2 + 9x - 4 = 0$
 $(3x + 4)(3x - 1) = 0$
 $x = -1\frac{1}{3}, 1/3$

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

9. $-49x^2 - 28x + 30 = -2$
 $-49x^2 - 28x + 32 = 0$
 $-(7x + 8)(7x - 4) = 0$
 $x = -1\frac{1}{7}, 4/7$

10. $-72x^2 - 30x + 8 = -10$
 $-72x^2 - 30x + 18 = 0$
 $-(9x - 3)(8x + 6) = 0$
 $x = 1/3, -3/4$

11. $2x^2 + 7x + 6 = 0$
 $2x^2 + 7x + 6 = 0$
 $(2x + 3)(x + 2) = 0$
 $x = -1\frac{1}{2}, -2$

12. $3x^2 - 10x - 4 = 4$
 $3x^2 - 10x - 8 = 0$
 $(x - 4)(3x + 2) = 0$
 $x = 4, -2/3$

Resolver Cuadráticas (I)

Resuelva cada ecuación en función de x.

1. $-21x^2 - 58x - 7 = 14$

7. $18x^2 - 12x + 2 = 0$

2. $24x^2 - 99x + 81 = 0$

8. $-30x^2 - 14x + 8 = 0$

3. $-30x^2 - 71x - 4 = 38$

9. $-16x^2 + 58x - 33 = 12$

4. $-5x^2 + 37x + 63 = -9$

10. $48x^2 - 84x + 12 = -6$

5. $24x^2 + 43x + 10 = -8$

11. $12x^2 - 28x = -16$

6. $7x^2 - 64x + 3 = -6$

12. $3x^2 - 20x + 16 = -9$

Resolver Cuadráticas (I) Respuestas

Resuelva cada ecuación en función de x.

1. $-21x^2 - 58x - 7 = 14$
 $-21x^2 - 58x - 21 = 0$
 $-(7x + 3)(3x + 7) = 0$
 $x = -3/7, -2\ 1/3$

2. $24x^2 - 99x + 81 = 0$
 $24x^2 - 99x + 81 = 0$
 $(3x - 9)(8x - 9) = 0$
 $x = 3, 1\ 1/8$

3. $-30x^2 - 71x - 4 = 38$
 $-30x^2 - 71x - 42 = 0$
 $(6x + 7)(5x + 6) = 0$
 $x = -1\ 1/6, -1\ 1/5$

4. $-5x^2 + 37x + 63 = -9$
 $-5x^2 + 37x + 72 = 0$
 $-(5x + 8)(x - 9) = 0$
 $x = -1\ 3/5, 9$

5. $24x^2 + 43x + 10 = -8$
 $24x^2 + 43x + 18 = 0$
 $(8x + 9)(3x + 2) = 0$
 $x = -1\ 1/8, -2/3$

6. $7x^2 - 64x + 3 = -6$
 $7x^2 - 64x + 9 = 0$
 $(7x - 1)(x - 9) = 0$
 $x = 1/7, 9$

7. $18x^2 - 12x + 2 = 0$
 $18x^2 - 12x + 2 = 0$
 $(3x - 1)(6x - 2) = 0$
 $x = 1/3$

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

9. $-16x^2 + 58x - 33 = 12$
 $-16x^2 + 58x - 45 = 0$
 $-(2x - 5)(8x - 9) = 0$
 $x = 2\ 1/2, 1\ 1/8$

10. $48x^2 - 84x + 12 = -6$
 $48x^2 - 84x + 18 = 0$
 $(8x - 2)(6x - 9) = 0$
 $x = 1/4, 1\ 1/2$

11. $12x^2 - 28x = -16$
 $12x^2 - 28x + 16 = 0$
 $(6x - 8)(2x - 2) = 0$
 $x = 1\ 1/3, 1$

12. $3x^2 - 20x + 16 = -9$
 $3x^2 - 20x + 25 = 0$
 $(3x - 5)(x - 5) = 0$
 $x = 1\ 2/3, 5$

Resolver Cuadráticas (J)

Resuelva cada ecuación en función de x.

1. $-21x^2 + 83x - 30 = 42$

7. $-8x^2 - 14x + 9 = 0$

2. $56x^2 + 19x - 9 = 6$

8. $-18x^2 - 27x = -5$

3. $-42x^2 - 21x + 9 = -54$

9. $-6x^2 - 20x - 10 = 6$

4. $-12x^2 - 5x + 3 = 0$

10. $20x^2 - 17x - 45 = 18$

5. $30x^2 + 94x + 4 = -68$

11. $8x^2 + 35x + 7 = -5$

6. $4x^2 + 28x + 27 = -21$

12. $63x^2 - 44x - 26 = 6$

Resolver Cuadráticas (J) Respuestas

Resuelva cada ecuación en función de x.

1. $-21x^2 + 83x - 30 = 42$
 $-21x^2 + 83x - 72 = 0$
 $-(7x - 9)(3x - 8) = 0$
 $x = 1 \frac{2}{7}, 2 \frac{2}{3}$

2. $56x^2 + 19x - 9 = 6$
 $56x^2 + 19x - 15 = 0$
 $(7x + 5)(8x - 3) = 0$
 $x = -\frac{5}{7}, \frac{3}{8}$

3. $-42x^2 - 21x + 9 = -54$
 $-42x^2 - 21x + 63 = 0$
 $(6x + 9)(7x - 7) = 0$
 $x = -1 \frac{1}{2}, 1$

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

5. $30x^2 + 94x + 4 = -68$
 $30x^2 + 94x + 72 = 0$
 $(5x + 9)(6x + 8) = 0$
 $x = -1 \frac{4}{5}, -1 \frac{1}{3}$

6. $4x^2 + 28x + 27 = -21$
 $4x^2 + 28x + 48 = 0$
 $(2x + 6)(2x + 8) = 0$
 $x = -3, -4$

7. $-8x^2 - 14x + 9 = 0$
 $-8x^2 - 14x + 9 = 0$
 $-(4x + 9)(2x - 1) = 0$
 $x = -2 \frac{1}{4}, \frac{1}{2}$

8. $-18x^2 - 27x = -5$
 $-18x^2 - 27x + 5 = 0$
 $-(6x - 1)(3x + 5) = 0$
 $x = \frac{1}{6}, -1 \frac{2}{3}$

9. $-6x^2 - 20x - 10 = 6$
 $-6x^2 - 20x - 16 = 0$
 $-(2x + 4)(3x + 4) = 0$
 $x = -2, -1 \frac{1}{3}$

10. $20x^2 - 17x - 45 = 18$
 $20x^2 - 17x - 63 = 0$
 $(4x - 9)(5x + 7) = 0$
 $x = 2 \frac{1}{4}, -1 \frac{2}{5}$

11. $8x^2 + 35x + 7 = -5$
 $8x^2 + 35x + 12 = 0$
 $(8x + 3)(x + 4) = 0$
 $x = -\frac{3}{8}, -4$

12. $63x^2 - 44x - 26 = 6$
 $63x^2 - 44x - 32 = 0$
 $(9x + 4)(7x - 8) = 0$
 $x = -\frac{4}{9}, 1 \frac{1}{7}$