

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