

Resolver Cuadráticas (I)

Resuelva cada ecuación en función de x.

1. $2x^2 - 11x + 8 = -1$

7. $2x^2 - 19x + 23 = -12$

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

8. $2x^2 + 3x - 16 = 19$

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

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

4. $x^2 + 3x - 12 = 16$

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

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

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

6. $x^2 - 13x + 15 = -21$

12. $2x^2 - 13x + 10 = -8$

Resolver Cuadráticas (I) Respuestas

Resuelva cada ecuación en función de x.

1. $2x^2 - 11x + 8 = -1$
 $2x^2 - 11x + 9 = 0$
 $(x - 1)(2x - 9) = 0$
 $x = 1, 4 \frac{1}{2}$

2. $2x^2 + 11x + 5 = -7$
 $2x^2 + 11x + 12 = 0$
 $(2x + 3)(x + 4) = 0$
 $x = -1 \frac{1}{2}, -4$

3. $x^2 + 9x + 4 = -14$
 $x^2 + 9x + 18 = 0$
 $(x + 6)(x + 3) = 0$
 $x = -6, -3$

4. $x^2 + 3x - 12 = 16$
 $x^2 + 3x - 28 = 0$
 $(x + 7)(x - 4) = 0$
 $x = -7, 4$

5. $2x^2 + 20x + 13 = -5$
 $2x^2 + 20x + 18 = 0$
 $(2x + 2)(x + 9) = 0$
 $x = -1, -9$

6. $x^2 - 13x + 15 = -21$
 $x^2 - 13x + 36 = 0$
 $(x - 4)(x - 9) = 0$
 $x = 4, 9$

7. $2x^2 - 19x + 23 = -12$
 $2x^2 - 19x + 35 = 0$
 $(x - 7)(2x - 5) = 0$
 $x = 7, 2 \frac{1}{2}$

8. $2x^2 + 3x - 16 = 19$
 $2x^2 + 3x - 35 = 0$
 $(x + 5)(2x - 7) = 0$
 $x = -5, 3 \frac{1}{2}$

9. $2x^2 + 17x + 30 = -5$
 $2x^2 + 17x + 35 = 0$
 $(2x + 7)(x + 5) = 0$
 $x = -3 \frac{1}{2}, -5$

10. $2x^2 + 4x - 10 = 6$
 $2x^2 + 4x - 16 = 0$
 $(2x + 8)(x - 2) = 0$
 $x = -4, 2$

11. $2x^2 + 16x + 28 = -2$
 $2x^2 + 16x + 30 = 0$
 $(x + 5)(2x + 6) = 0$
 $x = -5, -3$

12. $2x^2 - 13x + 10 = -8$
 $2x^2 - 13x + 18 = 0$
 $(2x - 9)(x - 2) = 0$
 $x = 4 \frac{1}{2}, 2$