

Resolver Cuadráticas (B)

Resuelva cada ecuación en función de x.

1. $4x^2 - 26x + 29 = -7$

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

2. $2x^2 - 19x + 26 = -19$

8. $x^2 + 15x + 20 = -36$

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

9. $2x^2 - 7x - 34 = 15$

4. $x^2 + 17x + 39 = -33$

10. $2x^2 - 10x + 4 = -8$

5. $x^2 + x - 27 = 29$

11. $x^2 - 2 = 2$

6. $4x^2 - 8x - 10 = 22$

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

Resolver Cuadráticas (B) Respuestas

Resuelva cada ecuación en función de x.

1. $4x^2 - 26x + 29 = -7$
 $4x^2 - 26x + 36 = 0$
 $(2x - 4)(2x - 9) = 0$
 $x = 2, 4 \frac{1}{2}$

2. $2x^2 - 19x + 26 = -19$
 $2x^2 - 19x + 45 = 0$
 $(x - 5)(2x - 9) = 0$
 $x = 5, 4 \frac{1}{2}$

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

4. $x^2 + 17x + 39 = -33$
 $x^2 + 17x + 72 = 0$
 $(x + 8)(x + 9) = 0$
 $x = -8, -9$

5. $x^2 + x - 27 = 29$
 $x^2 + x - 56 = 0$
 $(x + 8)(x - 7) = 0$
 $x = -8, 7$

6. $4x^2 - 8x - 10 = 22$
 $4x^2 - 8x - 32 = 0$
 $(2x - 8)(2x + 4) = 0$
 $x = 4, -2$

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

8. $x^2 + 15x + 20 = -36$
 $x^2 + 15x + 56 = 0$
 $(x + 7)(x + 8) = 0$
 $x = -7, -8$

9. $2x^2 - 7x - 34 = 15$
 $2x^2 - 7x - 49 = 0$
 $(x - 7)(2x + 7) = 0$
 $x = 7, -3 \frac{1}{2}$

10. $2x^2 - 10x + 4 = -8$
 $2x^2 - 10x + 12 = 0$
 $(2x - 6)(x - 2) = 0$
 $x = 3, 2$

11. $x^2 - 2 = 2$
 $x^2 - 4 = 0$
 $(x + 2)(x - 2) = 0$
 $x = -2, 2$

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