

Resolver Cuadráticas (C)

Resuelva cada ecuación en función de x.

1. $4x^2 - 32x + 1 = -62$

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

2. $4x^2 + 2x - 33 = 9$

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

3. $x^2 - 5x - 2 = 34$

9. $2x^2 + 17x + 35 = 0$

4. $x^2 - 10x + 3 = -21$

10. $2x^2 + 20x + 25 = -7$

5. $2x^2 - 16x + 26 = -4$

11. $2x^2 - 25x + 19 = -53$

6. $2x^2 - 5 = 3$

12. $2x^2 + 23x + 27 = -18$

Resolver Cuadráticas (C) Respuestas

Resuelva cada ecuación en función de x.

1. $4x^2 - 32x + 1 = -62$
 $4x^2 - 32x + 63 = 0$
 $(2x - 7)(2x - 9) = 0$
 $x = 3 \frac{1}{2}, 4 \frac{1}{2}$

2. $4x^2 + 2x - 33 = 9$
 $4x^2 + 2x - 42 = 0$
 $(2x - 6)(2x + 7) = 0$
 $x = 3, -3 \frac{1}{2}$

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

4. $x^2 - 10x + 3 = -21$
 $x^2 - 10x + 24 = 0$
 $(x - 6)(x - 4) = 0$
 $x = 6, 4$

5. $2x^2 - 16x + 26 = -4$
 $2x^2 - 16x + 30 = 0$
 $(2x - 6)(x - 5) = 0$
 $x = 3, 5$

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

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

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

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

10. $2x^2 + 20x + 25 = -7$
 $2x^2 + 20x + 32 = 0$
 $(x + 8)(2x + 4) = 0$
 $x = -8, -2$

11. $2x^2 - 25x + 19 = -53$
 $2x^2 - 25x + 72 = 0$
 $(x - 8)(2x - 9) = 0$
 $x = 8, 4 \frac{1}{2}$

12. $2x^2 + 23x + 27 = -18$
 $2x^2 + 23x + 45 = 0$
 $(x + 9)(2x + 5) = 0$
 $x = -9, -2 \frac{1}{2}$