

Resolver Cuadráticas (G)

Resuelva cada ecuación en función de x.

1. $2x^2 - 19x + 9 = -15$

7. $-x^2 + 12x - 28 = 4$

2. $4x^2 - 14x - 4 = 4$

8. $-x^2 + 4x - 1 = 3$

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

9. $x^2 + 4x + 1 = -2$

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

10. $2x^2 - 19x + 20 = -15$

5. $2x^2 - 16x = -14$

11. $4x^2 - 2x - 59 = 13$

6. $2x^2 - 12x - 11 = 3$

12. $4x^2 - 23 = 2$

Resolver Cuadráticas (G) Respuestas

Resuelva cada ecuación en función de x.

1. $2x^2 - 19x + 9 = -15$
 $2x^2 - 19x + 24 = 0$
 $(x - 8)(2x - 3) = 0$
 $x = 8, 1 \frac{1}{2}$

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

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

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

5. $2x^2 - 16x = -14$
 $2x^2 - 16x + 14 = 0$
 $(2x - 2)(x - 7) = 0$
 $x = 1, 7$

6. $2x^2 - 12x - 11 = 3$
 $2x^2 - 12x - 14 = 0$
 $(x - 7)(2x + 2) = 0$
 $x = 7, -1$

7. $-x^2 + 12x - 28 = 4$
 $-x^2 + 12x - 32 = 0$
 $-(x - 8)(x - 4) = 0$
 $x = 8, 4$

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

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

10. $2x^2 - 19x + 20 = -15$
 $2x^2 - 19x + 35 = 0$
 $(2x - 5)(x - 7) = 0$
 $x = 2 \frac{1}{2}, 7$

11. $4x^2 - 2x - 59 = 13$
 $4x^2 - 2x - 72 = 0$
 $(2x + 8)(2x - 9) = 0$
 $x = -4, 4 \frac{1}{2}$

12. $4x^2 - 23 = 2$
 $4x^2 - 25 = 0$
 $(2x - 5)(2x + 5) = 0$
 $x = 2 \frac{1}{2}, -2 \frac{1}{2}$