

Resolver Cuadráticas (B)

Resuelva cada ecuación en función de x.

1. $-2x^2 + 20x - 6 = 42$

7. $x^2 - 4x - 10 = 2$

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

8. $-x^2 - 8x + 6 = -3$

3. $4x^2 - 12x - 7 = 9$

9. $x^2 + 2x - 32 = 3$

4. $-2x^2 + x + 43 = -2$

10. $4x^2 + 14x - 12 = 6$

5. $x^2 + 2x - 18 = 6$

11. $4x^2 - 2x - 12 = 18$

6. $-2x^2 + 11x - 1 = 13$

12. $2x^2 + 7x - 5 = 67$

Resolver Cuadráticas (B) Respuestas

Resuelva cada ecuación en función de x.

1. $-2x^2 + 20x - 6 = 42$
 $-2x^2 + 20x - 48 = 0$
 $-(2x - 8)(x - 6) = 0$
 $x = 4, 6$

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

3. $4x^2 - 12x - 7 = 9$
 $4x^2 - 12x - 16 = 0$
 $(2x + 2)(2x - 8) = 0$
 $x = -1, 4$

4. $-2x^2 + x + 43 = -2$
 $-2x^2 + x + 45 = 0$
 $-(x - 5)(2x + 9) = 0$
 $x = 5, -4 \frac{1}{2}$

5. $x^2 + 2x - 18 = 6$
 $x^2 + 2x - 24 = 0$
 $(x - 4)(x + 6) = 0$
 $x = 4, -6$

6. $-2x^2 + 11x - 1 = 13$
 $-2x^2 + 11x - 14 = 0$
 $(x - 2)(2x - 7) = 0$
 $x = 2, 3 \frac{1}{2}$

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

8. $-x^2 - 8x + 6 = -3$
 $-x^2 - 8x + 9 = 0$
 $-(x + 9)(x - 1) = 0$
 $x = -9, 1$

9. $x^2 + 2x - 32 = 3$
 $x^2 + 2x - 35 = 0$
 $(x - 5)(x + 7) = 0$
 $x = 5, -7$

10. $4x^2 + 14x - 12 = 6$
 $4x^2 + 14x - 18 = 0$
 $(2x - 2)(2x + 9) = 0$
 $x = 1, -4 \frac{1}{2}$

11. $4x^2 - 2x - 12 = 18$
 $4x^2 - 2x - 30 = 0$
 $(2x - 6)(2x + 5) = 0$
 $x = 3, -2 \frac{1}{2}$

12. $2x^2 + 7x - 5 = 67$
 $2x^2 + 7x - 72 = 0$
 $(2x - 9)(x + 8) = 0$
 $x = 4 \frac{1}{2}, -8$