Resolver Cuadráticas (C)

Resuelva cada ecuación en función de x.

1. $x^2 - 2x - 55 = 8$

2. $x^2 + 7x - 13 = 5$

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

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

5. $-2x^2 - 3x - 1 = 0$

6. $-2x^2 + 15x - 6 = 22$

7. $4x^2 + 14x - 16 = 2$

8. $-x^2 + 3x + 6 = -12$

9. $2x^2 + 16x = -32$

10. $-2x^2 + 10x + 60 = -12$

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

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

Resolver Cuadráticas (C) Respuestas

Resuelva cada ecuación en función de x.

1. $x^2 - 2x - 55 = 8$
   $x^2 - 2x - 63 = 0$
   $(x - 9)(x + 7) = 0$
   $x = 9, \ -7$

2. $x^2 + 7x - 13 = 5$
   $x^2 + 7x - 18 = 0$
   $(x - 2)(x + 9) = 0$
   $x = 2, \ -9$

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

4. $-4x^2 + 6x + 10 = -8$
   $-4x^2 + 6x + 18 = 0$
   $-(2x - 6)(2x + 3) = 0$
   $x = 3, \ -1 \ 1/2$

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

6. $-2x^2 + 15x - 6 = 22$
   $-2x^2 + 15x - 28 = 0$
   $(2x - 7)(x - 4) = 0$
   $x = 3 \ 1/2, \ 4$

7. $4x^2 + 14x - 16 = 2$
   $4x^2 + 14x - 18 = 0$
   $(2x - 2)(2x + 9) = 0$
   $x = 1, \ -4 \ 1/2$

8. $-x^2 + 3x + 6 = -12$
   $-x^2 + 3x + 18 = 0$
   $-(x - 6)(x + 3) = 0$
   $x = 6, \ -3$

9. $2x^2 + 16x = -32$
   $2x^2 + 16x + 32 = 0$
   $(x + 4)(2x + 8) = 0$
   $x = -4$

10. $-2x^2 + 10x + 60 = -12$
    $-2x^2 + 10x + 72 = 0$
    $-(x - 9)(2x + 8) = 0$
    $x = 9, \ -4$

11. $-2x^2 + 6x - 2 = 2$
    $-2x^2 + 6x - 4 = 0$
    $-(2x - 4)(x - 1) = 0$
    $x = 2, \ 1$

12. $4x^2 + 6x - 4 = 14$
    $4x^2 + 6x - 18 = 0$
    $(2x - 3)(2x + 6) = 0$
    $x = 1 \ 1/2, \ -3$