Resolver Cuadráticas (E)

Resuelva cada ecuación en función de x.

1. $x^2 - 4x - 9 = 23$

2. $x^2 - 11x + 12 = -12$

3. $x^2 - 2x - 16 = 19$

4. $x^2 + 10x + 8 = -1$

5. $x^2 + 8x - 4 = 5$

6. $x^2 - 12x + 3 = -24$

7. $x^2 - 2x - 12 = 12$

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

9. $x^2 - 11x + 10 = -14$

10. $x^2 - 9x + 7 = -1$

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

12. $x^2 - 2x - 27 = 21$

Resolver Cuadráticas (E) Respuestas

Resuelva cada ecuación en función de x.

1. $x^2 - 4x - 9 = 23$
   $x^2 - 4x - 32 = 0$
   $(x + 4)(x - 8) = 0$
   $x = -4 \ , \ 8$

2. $x^2 - 11x + 12 = -12$
   $x^2 - 11x + 24 = 0$
   $(x - 8)(x - 3) = 0$
   $x = 8 \ , \ 3$

3. $x^2 - 2x - 16 = 19$
   $x^2 - 2x - 35 = 0$
   $(x + 5)(x - 7) = 0$
   $x = -5 \ , \ 7$

4. $x^2 + 10x + 8 = -1$
   $x^2 + 10x + 9 = 0$
   $(x + 9)(x + 1) = 0$
   $x = -9 \ , \ -1$

5. $x^2 + 8x - 4 = 5$
   $x^2 + 8x - 9 = 0$
   $(x - 1)(x + 9) = 0$
   $x = 1 \ , \ -9$

6. $x^2 - 12x + 3 = -24$
   $x^2 - 12x + 27 = 0$
   $(x - 3)(x - 9) = 0$
   $x = 3 \ , \ 9$

7. $x^2 - 2x - 12 = 12$
   $x^2 - 2x - 24 = 0$
   $(x + 4)(x - 6) = 0$
   $x = -4 \ , \ 6$

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

9. $x^2 - 11x + 10 = -14$
   $x^2 - 11x + 24 = 0$
   $(x - 3)(x - 8) = 0$
   $x = 3 \ , \ 8$

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

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

12. $x^2 - 2x - 27 = 21$
    $x^2 - 2x - 48 = 0$
    $(x + 6)(x - 8) = 0$
    $x = -6 \ , \ 8$