Résolution d'Équations Quadratiques (E)

Calculer les solutions des équations suivantes.

1. $x^2 - 4x - 5 = 0$
2. $x^2 + 14x + 49 = 0$
3. $x^2 - 8x + 16 = 0$
4. $x^2 - 11x + 28 = 0$
5. $x^2 - 5x - 14 = 0$
6. $x^2 - 36 = 0$
7. $x^2 - 2x - 8 = 0$
8. $x^2 - 4x - 45 = 0$
9. $x^2 + 5x - 14 = 0$
10. $x^2 + 6x + 5 = 0$
11. $x^2 + 3x - 4 = 0$
12. $x^2 - x - 42 = 0$

Résolution d'Équations Quadratiques (E) Réponses

Calculer les solutions des équations suivantes.

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

2. $x^2 + 14x + 49 = 0$
   $(x + 7)(x + 7) = 0$
   $x = -7$

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

4. $x^2 - 11x + 28 = 0$
   $(x - 7)(x - 4) = 0$
   $x = 7 \ , \ 4$

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

6. $x^2 - 36 = 0$
   $(x + 6)(x - 6) = 0$
   $x = -6 \ , \ 6$

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

8. $x^2 - 4x - 45 = 0$
   $(x + 5)(x - 9) = 0$
   $x = -5 \ , \ 9$

9. $x^2 + 5x - 14 = 0$
   $(x + 7)(x - 2) = 0$
   $x = -7 \ , \ 2$

10. $x^2 + 6x + 5 = 0$
    $(x + 1)(x + 5) = 0$
    $x = -1 \ , \ -5$

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

12. $x^2 - x - 42 = 0$
    $(x + 6)(x - 7) = 0$
    $x = -6 \ , \ 7$