Résolution d'Équations Quadratiques (F)

Calculer les solutions des équations suivantes.

1. $x^2 + 4x - 5 = 0$
2. $4x^2 + 20x + 16 = 0$
3. $x^2 - 3x - 28 = 0$
4. $2x^2 + 3x - 14 = 0$
5. $4x^2 - 4x - 8 = 0$
6. $2x^2 + 9x + 7 = 0$
7. $2x^2 + 19x + 45 = 0$
8. $2x^2 + x - 45 = 0$
9. $2x^2 - 24x + 54 = 0$
10. $4x^2 - 22x + 28 = 0$
11. $4x^2 - 20x + 16 = 0$
12. $2x^2 - 4x - 48 = 0$

Résolution d'Équations Quadratiques (F) Réponses

Calculer les solutions des équations suivantes.

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

2. $4x^2 + 20x + 16 = 0$
   $(2x + 2)(2x + 8) = 0$
   $x = -1 \ , \ -4$

3. $x^2 - 3x - 28 = 0$
   $(x + 4)(x - 7) = 0$
   $x = -4 \ , \ 7$

4. $2x^2 + 3x - 14 = 0$
   $(x - 2)(2x + 7) = 0$
   $x = 2 \ , \ -3\ 1/2$

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

6. $2x^2 + 9x + 7 = 0$
   $(2x + 7)(x + 1) = 0$
   $x = -3\ 1/2, \ -1$

7. $2x^2 + 19x + 45 = 0$
   $(x + 5)(2x + 9) = 0$
   $x = -5 \ , \ -4\ 1/2$

8. $2x^2 + x - 45 = 0$
   $(x + 5)(2x - 9) = 0$
   $x = -5 \ , \ 4\ 1/2$

9. $2x^2 - 24x + 54 = 0$
   $(x - 9)(2x - 6) = 0$
   $x = 9 \ , \ 3$

10. $4x^2 - 22x + 28 = 0$
    $(2x - 4)(2x - 7) = 0$
    $x = 2 \ , \ 3\ 1/2$

11. $4x^2 - 20x + 16 = 0$
    $(2x - 2)(2x - 8) = 0$
    $x = 1 \ , \ 4$

12. $2x^2 - 4x - 48 = 0$
    $(x - 6)(2x + 8) = 0$
    $x = 6 \ , \ -4$