Résolution d'Équations Quadratiques (D)

Calculer les solutions des équations suivantes.

1. $x^2 + 4x - 45 = 0$
2. $4x^2 - 12x - 7 = 0$
3. $2x^2 + 2x - 4 = 0$
4. $4x^2 + 6x - 40 = 0$
5. $x^2 + 3x - 4 = 0$
6. $2x^2 - 4x - 48 = 0$
7. $4x^2 - 12x - 7 = 0$
8. $2x^2 + 5x - 18 = 0$
9. $2x^2 + 20x + 32 = 0$
10. $2x^2 - 4x - 48 = 0$
11. $2x^2 + 25x + 72 = 0$
12. $2x^2 - 5x + 3 = 0$

Résolution d'Équations Quadratiques (D) Réponses

Calculer les solutions des équations suivantes.

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

2. $4x^2 - 12x - 7 = 0$
   $(2x - 7)(2x + 1) = 0$
   $x = 3\ 1/2, \ -1/2$

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

4. $4x^2 + 6x - 40 = 0$
   $(2x + 8)(2x - 5) = 0$
   $x = -4 \ , \ 2\ 1/2$

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

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

7. $4x^2 - 12x - 7 = 0$
   $(2x + 1)(2x - 7) = 0$
   $x = -1/2, \ 3\ 1/2$

8. $2x^2 + 5x - 18 = 0$
   $(x - 2)(2x + 9) = 0$
   $x = 2 \ , \ -4\ 1/2$

9. $2x^2 + 20x + 32 = 0$
   $(x + 8)(2x + 4) = 0$
   $x = -8 \ , \ -2$

10. $2x^2 - 4x - 48 = 0$
    $(x - 6)(2x + 8) = 0$
    $x = 6 \ , \ -4$

11. $2x^2 + 25x + 72 = 0$
    $(x + 8)(2x + 9) = 0$
    $x = -8 \ , \ -4\ 1/2$

12. $2x^2 - 5x + 3 = 0$
    $(2x - 3)(x - 1) = 0$
    $x = 1\ 1/2, \ 1$