Résolution d'Équations Quadratiques (I)

Calculer les solutions des équations suivantes.

1. $4x^2 + 8x - 45 = 0$

2. $-4x^2 - 10x + 6 = 0$

3. $2x^2 + 16x + 14 = 0$

4. $x^2 - 6x - 7 = 0$

5. $2x^2 - 19x + 42 = 0$

6. $2x^2 + 13x + 18 = 0$

7. $2x^2 - 12x - 14 = 0$

8. $4x^2 + 10x + 6 = 0$

9. $-2x^2 - 7x + 49 = 0$

10. $-2x^2 + x + 15 = 0$

11. $2x^2 + 2x - 4 = 0$

12. $2x^2 - 14x + 12 = 0$

Résolution d'Équations Quadratiques (I) Réponses

Calculer les solutions des équations suivantes.

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

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

3. $2x^2 + 16x + 14 = 0$
   $(x + 7)(2x + 2) = 0$
   $x = -7\ ,\ \ -1$

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

5. $2x^2 - 19x + 42 = 0$
   $(x - 6)(2x - 7) = 0$
   $x = 6\ ,\ \ 3\ 1/2$

6. $2x^2 + 13x + 18 = 0$
   $(x + 2)(2x + 9) = 0$
   $x = -2\ ,\ \ -4\ 1/2$

7. $2x^2 - 12x - 14 = 0$
   $(x - 7)(2x + 2) = 0$
   $x = 7\ ,\ \ -1$

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

9. $-2x^2 - 7x + 49 = 0$
   $-(x + 7)(2x - 7) = 0$
   $x = -7\ ,\ \ 3\ 1/2$

10. $-2x^2 + x + 15 = 0$
    $-(2x + 5)(x - 3) = 0$
    $x = -2\ 1/2,\ \ 3$

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

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