

Résolution d'Équations Quadratiques (I)

Calculer les solutions des équations suivantes.

1. $6x^2 + 4x - 2 = 0$

7. $3x^2 + 20x - 7 = 0$

2. $72x^2 + 102x + 36 = 0$

8. $16x^2 + 18x - 9 = 0$

3. $-10x^2 + 21x + 49 = 0$

9. $-18x^2 + 4x + 14 = 0$

4. $-54x^2 + 24x + 30 = 0$

10. $-24x^2 + 26x + 8 = 0$

5. $-6x^2 + 57x - 27 = 0$

11. $-63x^2 + 71x - 20 = 0$

6. $-6x^2 + 47x + 8 = 0$

12. $-6x^2 - 13x + 63 = 0$

Résolution d'Équations Quadratiques (I) Réponses

Calculer les solutions des équations suivantes.

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

7. $3x^2 + 20x - 7 = 0$
 $(x + 7)(3x - 1) = 0$
 $x = -7, 1/3$

2. $72x^2 + 102x + 36 = 0$
 $(9x + 6)(8x + 6) = 0$
 $x = -2/3, -3/4$

8. $16x^2 + 18x - 9 = 0$
 $(8x - 3)(2x + 3) = 0$
 $x = 3/8, -1 1/2$

3. $-10x^2 + 21x + 49 = 0$
 $(2x - 7)(5x + 7) = 0$
 $x = 3 1/2, -1 2/5$

9. $-18x^2 + 4x + 14 = 0$
 $-(2x - 2)(9x + 7) = 0$
 $x = 1, -7/9$

4. $-54x^2 + 24x + 30 = 0$
 $-(9x + 5)(6x - 6) = 0$
 $x = -5/9, 1$

10. $-24x^2 + 26x + 8 = 0$
 $-(4x + 1)(6x - 8) = 0$
 $x = -1/4, 1 1/3$

5. $-6x^2 + 57x - 27 = 0$
 $(x - 9)(6x - 3) = 0$
 $x = 9, 1/2$

11. $-63x^2 + 71x - 20 = 0$
 $-(9x - 5)(7x - 4) = 0$
 $x = 5/9, 4/7$

6. $-6x^2 + 47x + 8 = 0$
 $(6x + 1)(x - 8) = 0$
 $x = -1/6, 8$

12. $-6x^2 - 13x + 63 = 0$
 $-(3x - 7)(2x + 9) = 0$
 $x = 2 1/3, -4 1/2$