

Résolution d'Équations Quadratiques (A)

Calculer les solutions des équations suivantes.

1. $x^2 - 6x + 7 = -1$

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

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

8. $x^2 - 5x - 6 = 18$

3. $x^2 - 10x + 7 = -14$

9. $x^2 + 2x - 3 = 32$

4. $x^2 - x - 1 = 41$

10. $x^2 - 5x - 35 = 1$

5. $x^2 - 2x - 2 = 46$

11. $x^2 + x - 23 = 7$

6. $x^2 + 13x + 33 = -3$

12. $x^2 - 3x - 10 = 44$

Résolution d'Équations Quadratiques (A) Réponses

Calculer les solutions des équations suivantes.

1. $x^2 - 6x + 7 = -1$
 $x^2 - 6x + 8 = 0$
 $(x - 4)(x - 2) = 0$
 $x = 4, 2$

7. $x^2 + 4x - 6 = 6$
 $x^2 + 4x - 12 = 0$
 $(x + 6)(x - 2) = 0$
 $x = -6, 2$

2. $x^2 + 7x + 4 = -6$
 $x^2 + 7x + 10 = 0$
 $(x + 5)(x + 2) = 0$
 $x = -5, -2$

8. $x^2 - 5x - 6 = 18$
 $x^2 - 5x - 24 = 0$
 $(x - 8)(x + 3) = 0$
 $x = 8, -3$

3. $x^2 - 10x + 7 = -14$
 $x^2 - 10x + 21 = 0$
 $(x - 7)(x - 3) = 0$
 $x = 7, 3$

9. $x^2 + 2x - 3 = 32$
 $x^2 + 2x - 35 = 0$
 $(x + 7)(x - 5) = 0$
 $x = -7, 5$

4. $x^2 - x - 1 = 41$
 $x^2 - x - 42 = 0$
 $(x - 7)(x + 6) = 0$
 $x = 7, -6$

10. $x^2 - 5x - 35 = 1$
 $x^2 - 5x - 36 = 0$
 $(x + 4)(x - 9) = 0$
 $x = -4, 9$

5. $x^2 - 2x - 2 = 46$
 $x^2 - 2x - 48 = 0$
 $(x - 8)(x + 6) = 0$
 $x = 8, -6$

11. $x^2 + x - 23 = 7$
 $x^2 + x - 30 = 0$
 $(x + 6)(x - 5) = 0$
 $x = -6, 5$

6. $x^2 + 13x + 33 = -3$
 $x^2 + 13x + 36 = 0$
 $(x + 9)(x + 4) = 0$
 $x = -9, -4$

12. $x^2 - 3x - 10 = 44$
 $x^2 - 3x - 54 = 0$
 $(x - 9)(x + 6) = 0$
 $x = 9, -6$