

Résolution d'Équations Quadratiques (C)

Calculer les solutions des équations suivantes.

1. $x^2 + x - 8 = 22$

7. $x^2 + 9x + 3 = -15$

2. $x^2 + 2x - 10 = 25$

8. $x^2 - 11x + 9 = -15$

3. $x^2 + 4x + 1 = -2$

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

4. $x^2 + 4x = -3$

10. $x^2 - 18x + 10 = -71$

5. $x^2 + 7x - 13 = 5$

11. $x^2 + 3x - 7 = 11$

6. $x^2 - 7x + 5 = -7$

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

Résolution d'Équations Quadratiques (C) Réponses

Calculer les solutions des équations suivantes.

1. $x^2 + x - 8 = 22$
 $x^2 + x - 30 = 0$
 $(x - 5)(x + 6) = 0$
 $x = 5, -6$

7. $x^2 + 9x + 3 = -15$
 $x^2 + 9x + 18 = 0$
 $(x + 6)(x + 3) = 0$
 $x = -6, -3$

2. $x^2 + 2x - 10 = 25$
 $x^2 + 2x - 35 = 0$
 $(x + 7)(x - 5) = 0$
 $x = -7, 5$

8. $x^2 - 11x + 9 = -15$
 $x^2 - 11x + 24 = 0$
 $(x - 8)(x - 3) = 0$
 $x = 8, 3$

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

9. $x^2 + 2x - 16 = 8$
 $x^2 + 2x - 24 = 0$
 $(x - 4)(x + 6) = 0$
 $x = 4, -6$

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

10. $x^2 - 18x + 10 = -71$
 $x^2 - 18x + 81 = 0$
 $(x - 9)(x - 9) = 0$
 $x = 9$

5. $x^2 + 7x - 13 = 5$
 $x^2 + 7x - 18 = 0$
 $(x + 9)(x - 2) = 0$
 $x = -9, 2$

11. $x^2 + 3x - 7 = 11$
 $x^2 + 3x - 18 = 0$
 $(x + 6)(x - 3) = 0$
 $x = -6, 3$

6. $x^2 - 7x + 5 = -7$
 $x^2 - 7x + 12 = 0$
 $(x - 4)(x - 3) = 0$
 $x = 4, 3$

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