

Résolution d'Équations Quadratiques (C)

Calculer les solutions des équations suivantes.

1. $x^2 + 13x + 42 = 0$

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

2. $-2x^2 + 10x + 72 = 0$

8. $-x^2 - 3x + 18 = 0$

3. $2x^2 + 19x + 24 = 0$

9. $2x^2 - 20x + 32 = 0$

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

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

5. $x^2 - 2x - 15 = 0$

11. $-4x^2 - 4x + 24 = 0$

6. $4x^2 + 12x + 5 = 0$

12. $x^2 - 4x + 3 = 0$

Résolution d'Équations Quadratiques (C) Réponses

Calculer les solutions des équations suivantes.

1. $x^2 + 13x + 42 = 0$
 $(x + 6)(x + 7) = 0$
 $x = -6, -7$

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

2. $-2x^2 + 10x + 72 = 0$
 $(2x + 8)(x - 9) = 0$
 $x = -4, 9$

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

3. $2x^2 + 19x + 24 = 0$
 $(x + 8)(2x + 3) = 0$
 $x = -8, -1\frac{1}{2}$

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

4. $-4x^2 - 18x - 14 = 0$
 $-(2x + 2)(2x + 7) = 0$
 $x = -1, -3\frac{1}{2}$

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

5. $x^2 - 2x - 15 = 0$
 $(x + 3)(x - 5) = 0$
 $x = -3, 5$

11. $-4x^2 - 4x + 24 = 0$
 $-(2x + 6)(2x - 4) = 0$
 $x = -3, 2$

6. $4x^2 + 12x + 5 = 0$
 $(2x + 1)(2x + 5) = 0$
 $x = -1/2, -2\frac{1}{2}$

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