

Résolution d'Équations Quadratiques (D)

Calculer les solutions des équations suivantes.

1. $x^2 + 2x - 35 = 13$

7. $-x^2 - x + 25 = -17$

2. $-x^2 + 13x - 8 = 32$

8. $-x^2 + x + 69 = -3$

3. $-x^2 - 10x - 18 = 6$

9. $x^2 - 5x + 4 = -2$

4. $-x^2 - 5x + 17 = -19$

10. $x^2 - 2x - 60 = 3$

5. $x^2 + 11x + 4 = -14$

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

6. $-x^2 - 10x - 12 = 4$

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

Résolution d'Équations Quadratiques (D) Réponses

Calculer les solutions des équations suivantes.

1. $x^2 + 2x - 35 = 13$
 $x^2 + 2x - 48 = 0$
 $(x - 6)(x + 8) = 0$
 $x = 6, -8$

2. $-x^2 + 13x - 8 = 32$
 $-x^2 + 13x - 40 = 0$
 $(x - 8)(x - 5) = 0$
 $x = 8, 5$

3. $-x^2 - 10x - 18 = 6$
 $-x^2 - 10x - 24 = 0$
 $(x + 4)(x + 6) = 0$
 $x = -4, -6$

4. $-x^2 - 5x + 17 = -19$
 $-x^2 - 5x + 36 = 0$
 $-(x - 4)(x + 9) = 0$
 $x = 4, -9$

5. $x^2 + 11x + 4 = -14$
 $x^2 + 11x + 18 = 0$
 $(x + 9)(x + 2) = 0$
 $x = -9, -2$

6. $-x^2 - 10x - 12 = 4$
 $-x^2 - 10x - 16 = 0$
 $(x + 8)(x + 2) = 0$
 $x = -8, -2$

7. $-x^2 - x + 25 = -17$
 $-x^2 - x + 42 = 0$
 $-(x + 7)(x - 6) = 0$
 $x = -7, 6$

8. $-x^2 + x + 69 = -3$
 $-x^2 + x + 72 = 0$
 $-(x - 9)(x + 8) = 0$
 $x = 9, -8$

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

10. $x^2 - 2x - 60 = 3$
 $x^2 - 2x - 63 = 0$
 $(x - 9)(x + 7) = 0$
 $x = 9, -7$

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

12. $x^2 + 11x + 7 = -11$
 $x^2 + 11x + 18 = 0$
 $(x + 2)(x + 9) = 0$
 $x = -2, -9$