

Résolution d'Équations Quadratiques (E)

Calculer les solutions des équations suivantes.

1. $x^2 + 17x + 69 = -3$

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

2. $x^2 + 7x - 16 = 2$

8. $x^2 - 3x - 22 = 6$

3. $x^2 - 11x + 7 = -17$

9. $x^2 - 18x + 80 = -1$

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

10. $x^2 - 16x + 39 = -25$

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

11. $x^2 + 14x + 3 = -46$

6. $x^2 - 9x + 6 = -12$

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

Résolution d'Équations Quadratiques (E) Réponses

Calculer les solutions des équations suivantes.

1. $x^2 + 17x + 69 = -3$
 $x^2 + 17x + 72 = 0$
 $(x + 9)(x + 8) = 0$
 $x = -9, -8$

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

2. $x^2 + 7x - 16 = 2$
 $x^2 + 7x - 18 = 0$
 $(x + 9)(x - 2) = 0$
 $x = -9, 2$

8. $x^2 - 3x - 22 = 6$
 $x^2 - 3x - 28 = 0$
 $(x + 4)(x - 7) = 0$
 $x = -4, 7$

3. $x^2 - 11x + 7 = -17$
 $x^2 - 11x + 24 = 0$
 $(x - 8)(x - 3) = 0$
 $x = 8, 3$

9. $x^2 - 18x + 80 = -1$
 $x^2 - 18x + 81 = 0$
 $(x - 9)(x - 9) = 0$
 $x = 9$

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

10. $x^2 - 16x + 39 = -25$
 $x^2 - 16x + 64 = 0$
 $(x - 8)(x - 8) = 0$
 $x = 8$

5. $x^2 - 5x = -4$
 $x^2 - 5x + 4 = 0$
 $(x - 4)(x - 1) = 0$
 $x = 4, 1$

11. $x^2 + 14x + 3 = -46$
 $x^2 + 14x + 49 = 0$
 $(x + 7)(x + 7) = 0$
 $x = -7$

6. $x^2 - 9x + 6 = -12$
 $x^2 - 9x + 18 = 0$
 $(x - 6)(x - 3) = 0$
 $x = 6, 3$

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