

Résolution d'Équations Quadratiques (H)

Calculer les solutions des équations suivantes.

1. $x^2 - 8x - 9 = 0$

7. $x^2 - 16 = 0$

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

8. $x^2 - 5x - 14 = 0$

3. $x^2 + 7x + 10 = 0$

9. $x^2 - 7x - 18 = 0$

4. $x^2 - 10x + 25 = 0$

10. $x^2 + 13x + 36 = 0$

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

11. $x^2 - 6x + 9 = 0$

6. $x^2 - x - 2 = 0$

12. $x^2 - 12x + 35 = 0$

Résolution d'Équations Quadratiques (H) Réponses

Calculer les solutions des équations suivantes.

1. $x^2 - 8x - 9 = 0$
 $(x - 9)(x + 1) = 0$
 $x = 9, -1$

7. $x^2 - 16 = 0$
 $(x + 4)(x - 4) = 0$
 $x = -4, 4$

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

8. $x^2 - 5x - 14 = 0$
 $(x + 2)(x - 7) = 0$
 $x = -2, 7$

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

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

4. $x^2 - 10x + 25 = 0$
 $(x - 5)(x - 5) = 0$
 $x = 5$

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

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

11. $x^2 - 6x + 9 = 0$
 $(x - 3)(x - 3) = 0$
 $x = 3$

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

12. $x^2 - 12x + 35 = 0$
 $(x - 7)(x - 5) = 0$
 $x = 7, 5$