Résolution d'Équations Quadratiques (J)

Calculer les solutions des équations suivantes.

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

7. $x^2 - 49 = 0$

2. $x^2 + 17x + 72 = 0$

8. $-x^2 + 4 = 0$

3. $x^2 - x - 72 = 0$

9. $x^2 - 13x + 42 = 0$

4. $x^2 + 9x + 18 = 0$

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

5. $-x^2 - 10x - 25 = 0$

11. $-x^2 + 2x + 8 = 0$

6. $-x^2 + 9x - 14 = 0$

12. $x^2 + 3x - 10 = 0$

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Résolution d'Équations Quadratiques (J) Réponses

Calculer les solutions des équations suivantes.

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

7. $x^2 - 49 = 0$
   $(x + 7)(x - 7) = 0$
   $x = -7, 7$

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

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

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

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

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

10. $x^2 - 9x + 20 = 0$
    $(x - 5)(x - 4) = 0$
    $x = 5, 4$

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

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

6. $-x^2 + 9x - 14 = 0$
   $(x - 2)(x - 7) = 0$
   $x = 2, 7$

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

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