Résolution d'Équations Quadratiques (J)

Calculer les solutions des équations suivantes.

1. $x^2 - 13x + 17 = -25$

2. $x^2 - 2x - 2 = 1$

3. $x^2 + 2x - 14 = 21$

4. $x^2 + 6x + 2 = -3$

5. $x^2 + 12x + 23 = -4$

6. $x^2 + 12x + 33 = -2$

7. $x^2 - 15x + 43 = -11$

8. $x^2 - 10x + 2 = -19$

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

10. $x^2 - 2x - 19 = 29$

11. $x^2 - 7x - 5 = 3$

12. $x^2 + 17x + 38 = -34$

Résolution d'Équations Quadratiques (J) Réponses

Calculer les solutions des équations suivantes.

1. $x^2 - 13x + 17 = -25$
   $x^2 - 13x + 42 = 0$
   $(x - 6)(x - 7) = 0$
   $x = 6 \ , \ 7$

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

3. $x^2 + 2x - 14 = 21$
   $x^2 + 2x - 35 = 0$
   $(x - 5)(x + 7) = 0$
   $x = 5 \ , \ -7$

4. $x^2 + 6x + 2 = -3$
   $x^2 + 6x + 5 = 0$
   $(x + 1)(x + 5) = 0$
   $x = -1 \ , \ -5$

5. $x^2 + 12x + 23 = -4$
   $x^2 + 12x + 27 = 0$
   $(x + 3)(x + 9) = 0$
   $x = -3 \ , \ -9$

6. $x^2 + 12x + 33 = -2$
   $x^2 + 12x + 35 = 0$
   $(x + 5)(x + 7) = 0$
   $x = -5 \ , \ -7$

7. $x^2 - 15x + 43 = -11$
   $x^2 - 15x + 54 = 0$
   $(x - 6)(x - 9) = 0$
   $x = 6 \ , \ 9$

8. $x^2 - 10x + 2 = -19$
   $x^2 - 10x + 21 = 0$
   $(x - 7)(x - 3) = 0$
   $x = 7 \ , \ 3$

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

10. $x^2 - 2x - 19 = 29$
    $x^2 - 2x - 48 = 0$
    $(x - 8)(x + 6) = 0$
    $x = 8 \ , \ -6$

11. $x^2 - 7x - 5 = 3$
    $x^2 - 7x - 8 = 0$
    $(x + 1)(x - 8) = 0$
    $x = -1 \ , \ 8$

12. $x^2 + 17x + 38 = -34$
    $x^2 + 17x + 72 = 0$
    $(x + 9)(x + 8) = 0$
    $x = -9 \ , \ -8$