Résolution d'Équations Quadratiques (J)

Calculer les solutions des équations suivantes.

1. $8x^2 + 50x + 63 = 0$
2. $36x^2 - 11x - 5 = 0$
3. $72x^2 + 73x - 9 = 0$
4. $32x^2 - 56x - 36 = 0$
5. $x^2 - 13x + 36 = 0$
6. $63x^2 - 80x + 25 = 0$
7. $14x^2 + 17x + 5 = 0$
8. $40x^2 + 46x + 12 = 0$
9. $14x^2 - 68x + 48 = 0$
10. $14x^2 - x - 3 = 0$
11. $45x^2 + 61x + 20 = 0$
12. $54x^2 + 99x + 27 = 0$

Résolution d'Équations Quadratiques (J) Réponses

Calculer les solutions des équations suivantes.

1. $8x^2 + 50x + 63 = 0$
   $(2x + 9)(4x + 7) = 0$
   $x = -4\ 1/2,\ \ -1\ 3/4$

2. $36x^2 - 11x - 5 = 0$
   $(4x + 1)(9x - 5) = 0$
   $x = -1/4,\ \ 5/9$

3. $72x^2 + 73x - 9 = 0$
   $(9x - 1)(8x + 9) = 0$
   $x = 1/9,\ \ -1\ 1/8$

4. $32x^2 - 56x - 36 = 0$
   $(8x + 4)(4x - 9) = 0$
   $x = -1/2,\ \ 2\ 1/4$

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

6. $63x^2 - 80x + 25 = 0$
   $(9x - 5)(7x - 5) = 0$
   $x = 5/9,\ \ 5/7$

7. $14x^2 + 17x + 5 = 0$
   $(2x + 1)(7x + 5) = 0$
   $x = -1/2,\ \ -5/7$

8. $40x^2 + 46x + 12 = 0$
   $(5x + 2)(8x + 6) = 0$
   $x = -2/5,\ \ -3/4$

9. $14x^2 - 68x + 48 = 0$
   $(7x - 6)(2x - 8) = 0$
   $x = 6/7,\ \ 4$

10. $14x^2 - x - 3 = 0$
    $(2x - 1)(7x + 3) = 0$
    $x = 1/2,\ \ -3/7$

11. $45x^2 + 61x + 20 = 0$
    $(5x + 4)(9x + 5) = 0$
    $x = -4/5,\ \ -5/9$

12. $54x^2 + 99x + 27 = 0$
    $(6x + 9)(9x + 3) = 0$
    $x = -1\ 1/2,\ \ -1/3$