

Résolution d'Équations Quadratiques (F)

Calculer les solutions des équations suivantes.

1. $8x^2 - 9x - 14 = 0$

7. $18x^2 - 40x + 8 = 0$

2. $81x^2 - 36x - 45 = 0$

8. $x^2 + 3x - 54 = 0$

3. $8x^2 + 14x - 4 = 0$

9. $24x^2 - 38x - 7 = 0$

4. $32x^2 + 8x - 4 = 0$

10. $4x^2 - 26x + 40 = 0$

5. $56x^2 + 79x + 18 = 0$

11. $42x^2 - 86x + 40 = 0$

6. $81x^2 - 36x - 5 = 0$

12. $10x^2 + 63x + 81 = 0$

Résolution d'Équations Quadratiques (F) Réponses

Calculer les solutions des équations suivantes.

1. $8x^2 - 9x - 14 = 0$
 $(x - 2)(8x + 7) = 0$
 $x = 2, -7/8$

7. $18x^2 - 40x + 8 = 0$
 $(2x - 4)(9x - 2) = 0$
 $x = 2, 2/9$

2. $81x^2 - 36x - 45 = 0$
 $(9x + 5)(9x - 9) = 0$
 $x = -5/9, 1$

8. $x^2 + 3x - 54 = 0$
 $(x - 6)(x + 9) = 0$
 $x = 6, -9$

3. $8x^2 + 14x - 4 = 0$
 $(2x + 4)(4x - 1) = 0$
 $x = -2, 1/4$

9. $24x^2 - 38x - 7 = 0$
 $(6x + 1)(4x - 7) = 0$
 $x = -1/6, 1\ 3/4$

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

10. $4x^2 - 26x + 40 = 0$
 $(2x - 5)(2x - 8) = 0$
 $x = 2\ 1/2, 4$

5. $56x^2 + 79x + 18 = 0$
 $(8x + 9)(7x + 2) = 0$
 $x = -1\ 1/8, -2/7$

11. $42x^2 - 86x + 40 = 0$
 $(6x - 8)(7x - 5) = 0$
 $x = 1\ 1/3, 5/7$

6. $81x^2 - 36x - 5 = 0$
 $(9x + 1)(9x - 5) = 0$
 $x = -1/9, 5/9$

12. $10x^2 + 63x + 81 = 0$
 $(2x + 9)(5x + 9) = 0$
 $x = -4\ 1/2, -1\ 4/5$