

Résolution d'Équations Quadratiques (G)

Calculer les solutions des équations suivantes.

1. $45x^2 - 55x + 10 = 0$

7. $5x^2 + 38x - 63 = 0$

2. $48x^2 - 32x + 4 = 0$

8. $15x^2 + 64x + 64 = 0$

3. $24x^2 - 78x + 18 = 0$

9. $56x^2 + 5x - 25 = 0$

4. $63x^2 + 130x + 63 = 0$

10. $15x^2 - 19x - 10 = 0$

5. $56x^2 - 86x + 18 = 0$

11. $36x^2 + 6x - 2 = 0$

6. $4x^2 + 24x + 27 = 0$

12. $18x^2 + 39x + 18 = 0$

Résolution d'Équations Quadratiques (G) Réponses

Calculer les solutions des équations suivantes.

1. $45x^2 - 55x + 10 = 0$
 $(5x - 5)(9x - 2) = 0$
 $x = 1, 2/9$

7. $5x^2 + 38x - 63 = 0$
 $(5x - 7)(x + 9) = 0$
 $x = 1\frac{2}{5}, -9$

2. $48x^2 - 32x + 4 = 0$
 $(6x - 1)(8x - 4) = 0$
 $x = 1/6, 1/2$

8. $15x^2 + 64x + 64 = 0$
 $(3x + 8)(5x + 8) = 0$
 $x = -2\frac{2}{3}, -1\frac{3}{5}$

3. $24x^2 - 78x + 18 = 0$
 $(8x - 2)(3x - 9) = 0$
 $x = 1/4, 3$

9. $56x^2 + 5x - 25 = 0$
 $(8x - 5)(7x + 5) = 0$
 $x = 5/8, -5/7$

4. $63x^2 + 130x + 63 = 0$
 $(9x + 7)(7x + 9) = 0$
 $x = -7/9, -1\frac{2}{7}$

10. $15x^2 - 19x - 10 = 0$
 $(5x + 2)(3x - 5) = 0$
 $x = -2/5, 1\frac{2}{3}$

5. $56x^2 - 86x + 18 = 0$
 $(7x - 9)(8x - 2) = 0$
 $x = 1\frac{2}{7}, 1/4$

11. $36x^2 + 6x - 2 = 0$
 $(6x - 1)(6x + 2) = 0$
 $x = 1/6, -1/3$

6. $4x^2 + 24x + 27 = 0$
 $(2x + 9)(2x + 3) = 0$
 $x = -4\frac{1}{2}, -1\frac{1}{2}$

12. $18x^2 + 39x + 18 = 0$
 $(9x + 6)(2x + 3) = 0$
 $x = -2/3, -1\frac{1}{2}$