

Résolution d'Équations Quadratiques (D)

Calculer les solutions des équations suivantes.

1. $27x^2 - 72x + 45 = 0$

7. $5x^2 + 7x - 24 = 0$

2. $4x^2 + 4x - 24 = 0$

8. $28x^2 - 26x - 24 = 0$

3. $64x^2 - 24x - 54 = 0$

9. $24x^2 + 2x - 2 = 0$

4. $8x^2 + 8x - 16 = 0$

10. $63x^2 + 11x - 2 = 0$

5. $24x^2 + 52x + 24 = 0$

11. $30x^2 - 99x + 81 = 0$

6. $16x^2 + 60x + 54 = 0$

12. $24x^2 + 88x + 64 = 0$

Résolution d'Équations Quadratiques (D) Réponses

Calculer les solutions des équations suivantes.

1. $27x^2 - 72x + 45 = 0$
 $(9x - 9)(3x - 5) = 0$
 $x = 1, 1 \frac{2}{3}$

7. $5x^2 + 7x - 24 = 0$
 $(5x - 8)(x + 3) = 0$
 $x = 1 \frac{3}{5}, -3$

2. $4x^2 + 4x - 24 = 0$
 $(4x - 8)(x + 3) = 0$
 $x = 2, -3$

8. $28x^2 - 26x - 24 = 0$
 $(7x + 4)(4x - 6) = 0$
 $x = -\frac{4}{7}, 1 \frac{1}{2}$

3. $64x^2 - 24x - 54 = 0$
 $(8x + 6)(8x - 9) = 0$
 $x = -\frac{3}{4}, 1 \frac{1}{8}$

9. $24x^2 + 2x - 2 = 0$
 $(8x - 2)(3x + 1) = 0$
 $x = \frac{1}{4}, -\frac{1}{3}$

4. $8x^2 + 8x - 16 = 0$
 $(8x - 8)(x + 2) = 0$
 $x = 1, -2$

10. $63x^2 + 11x - 2 = 0$
 $(7x + 2)(9x - 1) = 0$
 $x = -\frac{2}{7}, \frac{1}{9}$

5. $24x^2 + 52x + 24 = 0$
 $(6x + 4)(4x + 6) = 0$
 $x = -\frac{2}{3}, -1 \frac{1}{2}$

11. $30x^2 - 99x + 81 = 0$
 $(6x - 9)(5x - 9) = 0$
 $x = 1 \frac{1}{2}, 1 \frac{4}{5}$

6. $16x^2 + 60x + 54 = 0$
 $(4x + 9)(4x + 6) = 0$
 $x = -2 \frac{1}{4}, -1 \frac{1}{2}$

12. $24x^2 + 88x + 64 = 0$
 $(3x + 8)(8x + 8) = 0$
 $x = -2 \frac{2}{3}, -1$