Résolution d'Équations Quadratiques (E)

Calculer les solutions des équations suivantes.

1. $54x^2 + 24x + 2 = 0$
2. $x^2 + x - 56 = 0$
3. $24x^2 + 43x + 5 = 0$
4. $15x^2 + 30x - 45 = 0$
5. $45x^2 - 10x - 35 = 0$
6. $15x^2 - 27x - 54 = 0$
7. $6x^2 + 33x - 63 = 0$
8. $12x^2 - 50x + 28 = 0$
9. $63x^2 + 28x - 35 = 0$
10. $15x^2 + 38x + 24 = 0$
11. $10x^2 + 12x + 2 = 0$
12. $2x^2 - 7x - 30 = 0$

Résolution d'Équations Quadratiques (E) Réponses

Calculer les solutions des équations suivantes.

1. $54x^2 + 24x + 2 = 0$
   $(6x + 2)(9x + 1) = 0$
   $x = -1/3,\ -1/9$

2. $x^2 + x - 56 = 0$
   $(x - 7)(x + 8) = 0$
   $x = 7\ ,\ -8$

3. $24x^2 + 43x + 5 = 0$
   $(3x + 5)(8x + 1) = 0$
   $x = -1\ 2/3,\ -1/8$

4. $15x^2 + 30x - 45 = 0$
   $(3x + 9)(5x - 5) = 0$
   $x = -3\ ,\ 1$

5. $45x^2 - 10x - 35 = 0$
   $(5x - 5)(9x + 7) = 0$
   $x = 1\ ,\ -7/9$

6. $15x^2 - 27x - 54 = 0$
   $(5x + 6)(3x - 9) = 0$
   $x = -1\ 1/5,\ 3$

7. $6x^2 + 33x - 63 = 0$
   $(6x - 9)(x + 7) = 0$
   $x = 1\ 1/2,\ -7$

8. $12x^2 - 50x + 28 = 0$
   $(2x - 7)(6x - 4) = 0$
   $x = 3\ 1/2,\ 2/3$

9. $63x^2 + 28x - 35 = 0$
   $(7x + 7)(9x - 5) = 0$
   $x = -1\ ,\ 5/9$

10. $15x^2 + 38x + 24 = 0$
    $(3x + 4)(5x + 6) = 0$
    $x = -1\ 1/3,\ -1\ 1/5$

11. $10x^2 + 12x + 2 = 0$
    $(2x + 2)(5x + 1) = 0$
    $x = -1\ ,\ -1/5$

12. $2x^2 - 7x - 30 = 0$
    $(x - 6)(2x + 5) = 0$
    $x = 6\ ,\ -2\ 1/2$