Résolution d'Équations Quadratiques (H)

Calculer les solutions des équations suivantes.

1. $-8x^2 + 26x + 45 = 0$

2. $7x^2 + 26x + 15 = 0$

3. $48x^2 + 90x + 42 = 0$

4. $28x^2 + 22x - 18 = 0$

5. $-42x^2 + 84x - 42 = 0$

6. $64x^2 + 88x + 18 = 0$

7. $-25x^2 - 10x + 24 = 0$

8. $-35x^2 - 83x - 36 = 0$

9. $-36x^2 - 88x - 32 = 0$

10. $2x^2 - 17x + 35 = 0$

11. $-54x^2 - 9x + 9 = 0$

12. $5x^2 - 16x + 3 = 0$

Résolution d'Équations Quadratiques (H) Réponses

Calculer les solutions des équations suivantes.

1. $-8x^2 + 26x + 45 = 0$
   $-(4x + 5)(2x - 9) = 0$
   $x = -1\ 1/4,\ \ 4\ 1/2$

2. $7x^2 + 26x + 15 = 0$
   $(7x + 5)(x + 3) = 0$
   $x = -\ 5/7,\ \ -3$

3. $48x^2 + 90x + 42 = 0$
   $(6x + 6)(8x + 7) = 0$
   $x = -1\ ,\ \ -\ 7/8$

4. $28x^2 + 22x - 18 = 0$
   $(4x - 2)(7x + 9) = 0$
   $x = \ 1/2,\ \ -1\ 2/7$

5. $-42x^2 + 84x - 42 = 0$
   $(7x - 7)(6x - 6) = 0$
   $x = 1$

6. $64x^2 + 88x + 18 = 0$
   $(8x + 2)(8x + 9) = 0$
   $x = -\ 1/4,\ \ -1\ 1/8$

7. $-25x^2 - 10x + 24 = 0$
   $-(5x - 4)(5x + 6) = 0$
   $x = \ 4/5,\ \ -1\ 1/5$

8. $-35x^2 - 83x - 36 = 0$
   $-(5x + 9)(7x + 4) = 0$
   $x = -1\ 4/5,\ \ -\ 4/7$

9. $-36x^2 - 88x - 32 = 0$
   $-(4x + 8)(9x + 4) = 0$
   $x = -2\ ,\ \ -\ 4/9$

10. $2x^2 - 17x + 35 = 0$
    $(2x - 7)(x - 5) = 0$
    $x = 3\ 1/2,\ \ 5$

11. $-54x^2 - 9x + 9 = 0$
    $-(9x - 3)(6x + 3) = 0$
    $x = \ 1/3,\ \ -\ 1/2$

12. $5x^2 - 16x + 3 = 0$
    $(5x - 1)(x - 3) = 0$
    $x = \ 1/5,\ \ 3$