

# Résolution d'Équations Quadratiques (C)

Calculer les solutions des équations suivantes.

1.  $-12x^2 - 3x + 9 = 0$

7.  $-54x^2 - 84x - 30 = 0$

2.  $-5x^2 + 49x - 36 = 0$

8.  $30x^2 - 94x + 72 = 0$

3.  $25x^2 + 30x - 7 = 0$

9.  $-28x^2 - 19x + 20 = 0$

4.  $2x^2 - 6x - 20 = 0$

10.  $4x^2 - 40x + 64 = 0$

5.  $21x^2 - 15x - 54 = 0$

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

6.  $42x^2 + 70x + 28 = 0$

12.  $-9x^2 - 3x + 20 = 0$

## Résolution d'Équations Quadratiques (C) Réponses

Calculer les solutions des équations suivantes.

1.  $-12x^2 - 3x + 9 = 0$   
 $-(4x - 3)(3x + 3) = 0$   
 $x = 3/4, -1$

7.  $-54x^2 - 84x - 30 = 0$   
 $-(6x + 6)(9x + 5) = 0$   
 $x = -1, -5/9$

2.  $-5x^2 + 49x - 36 = 0$   
 $(x - 9)(5x - 4) = 0$   
 $x = 9, 4/5$

8.  $30x^2 - 94x + 72 = 0$   
 $(5x - 9)(6x - 8) = 0$   
 $x = 1\ 4/5, 1\ 1/3$

3.  $25x^2 + 30x - 7 = 0$   
 $(5x + 7)(5x - 1) = 0$   
 $x = -1\ 2/5, 1/5$

9.  $-28x^2 - 19x + 20 = 0$   
 $-(7x - 4)(4x + 5) = 0$   
 $x = 4/7, -1\ 1/4$

4.  $2x^2 - 6x - 20 = 0$   
 $(2x + 4)(x - 5) = 0$   
 $x = -2, 5$

10.  $4x^2 - 40x + 64 = 0$   
 $(4x - 8)(x - 8) = 0$   
 $x = 2, 8$

5.  $21x^2 - 15x - 54 = 0$   
 $(7x + 9)(3x - 6) = 0$   
 $x = -1\ 2/7, 2$

11.  $40x^2 + 2x - 2 = 0$   
 $(8x + 2)(5x - 1) = 0$   
 $x = -1/4, 1/5$

6.  $42x^2 + 70x + 28 = 0$   
 $(7x + 7)(6x + 4) = 0$   
 $x = -1, -2/3$

12.  $-9x^2 - 3x + 20 = 0$   
 $-(3x + 5)(3x - 4) = 0$   
 $x = -1\ 2/3, 1\ 1/3$