

# Résolution d'Équations Quadratiques (A)

Calculer les solutions des équations suivantes.

1.  $81x^2 + 18x - 8 = 0$

7.  $25x^2 - 5x - 2 = 0$

2.  $81x^2 - 45x - 24 = 0$

8.  $56x^2 - 72x + 16 = 0$

3.  $18x^2 + 18x - 36 = 0$

9.  $24x^2 + 10x - 25 = 0$

4.  $24x^2 + 52x + 8 = 0$

10.  $35x^2 - 87x + 54 = 0$

5.  $28x^2 + 2x - 6 = 0$

11.  $72x^2 + 101x + 35 = 0$

6.  $40x^2 - 53x + 9 = 0$

12.  $48x^2 + 42x + 9 = 0$

## Résolution d'Équations Quadratiques (A) Réponses

Calculer les solutions des équations suivantes.

1.  $81x^2 + 18x - 8 = 0$   
 $(9x + 4)(9x - 2) = 0$   
 $x = -4/9, 2/9$

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

2.  $81x^2 - 45x - 24 = 0$   
 $(9x - 8)(9x + 3) = 0$   
 $x = 8/9, -1/3$

8.  $56x^2 - 72x + 16 = 0$   
 $(7x - 2)(8x - 8) = 0$   
 $x = 2/7, 1$

3.  $18x^2 + 18x - 36 = 0$   
 $(3x + 6)(6x - 6) = 0$   
 $x = -2, 1$

9.  $24x^2 + 10x - 25 = 0$   
 $(4x + 5)(6x - 5) = 0$   
 $x = -1\frac{1}{4}, 5/6$

4.  $24x^2 + 52x + 8 = 0$   
 $(4x + 8)(6x + 1) = 0$   
 $x = -2, -1/6$

10.  $35x^2 - 87x + 54 = 0$   
 $(5x - 6)(7x - 9) = 0$   
 $x = 1\frac{1}{5}, 1\frac{2}{7}$

5.  $28x^2 + 2x - 6 = 0$   
 $(4x + 2)(7x - 3) = 0$   
 $x = -1/2, 3/7$

11.  $72x^2 + 101x + 35 = 0$   
 $(8x + 5)(9x + 7) = 0$   
 $x = -5/8, -7/9$

6.  $40x^2 - 53x + 9 = 0$   
 $(5x - 1)(8x - 9) = 0$   
 $x = 1/5, 1\frac{1}{8}$

12.  $48x^2 + 42x + 9 = 0$   
 $(8x + 3)(6x + 3) = 0$   
 $x = -3/8, -1/2$