

# Résolution d'Équations Quadratiques (B)

Calculer les solutions des équations suivantes.

1.  $5x^2 - 16x - 16 = 0$

7.  $18x^2 + 23x + 7 = 0$

2.  $64x^2 - 112x + 45 = 0$

8.  $28x^2 - 45x + 18 = 0$

3.  $54x^2 + 72x + 24 = 0$

9.  $63x^2 + 53x - 36 = 0$

4.  $25x^2 + 40x + 7 = 0$

10.  $28x^2 + 16x - 12 = 0$

5.  $8x^2 + 13x - 6 = 0$

11.  $7x^2 - 65x + 18 = 0$

6.  $81x^2 - 72x + 12 = 0$

12.  $40x^2 + 3x - 1 = 0$

## Résolution d'Équations Quadratiques (B) Réponses

Calculer les solutions des équations suivantes.

1.  $5x^2 - 16x - 16 = 0$   
 $(x - 4)(5x + 4) = 0$   
 $x = 4, -4/5$

7.  $18x^2 + 23x + 7 = 0$   
 $(2x + 1)(9x + 7) = 0$   
 $x = -1/2, -7/9$

2.  $64x^2 - 112x + 45 = 0$   
 $(8x - 9)(8x - 5) = 0$   
 $x = 1\ 1/8, 5/8$

8.  $28x^2 - 45x + 18 = 0$   
 $(4x - 3)(7x - 6) = 0$   
 $x = 3/4, 6/7$

3.  $54x^2 + 72x + 24 = 0$   
 $(9x + 6)(6x + 4) = 0$   
 $x = -2/3$

9.  $63x^2 + 53x - 36 = 0$   
 $(7x + 9)(9x - 4) = 0$   
 $x = -1\ 2/7, 4/9$

4.  $25x^2 + 40x + 7 = 0$   
 $(5x + 1)(5x + 7) = 0$   
 $x = -1/5, -1\ 2/5$

10.  $28x^2 + 16x - 12 = 0$   
 $(4x + 4)(7x - 3) = 0$   
 $x = -1, 3/7$

5.  $8x^2 + 13x - 6 = 0$   
 $(x + 2)(8x - 3) = 0$   
 $x = -2, 3/8$

11.  $7x^2 - 65x + 18 = 0$   
 $(x - 9)(7x - 2) = 0$   
 $x = 9, 2/7$

6.  $81x^2 - 72x + 12 = 0$   
 $(9x - 2)(9x - 6) = 0$   
 $x = 2/9, 2/3$

12.  $40x^2 + 3x - 1 = 0$   
 $(8x - 1)(5x + 1) = 0$   
 $x = 1/8, -1/5$