

# Résolution d'Équations Quadratiques (I)

Calculer les solutions des équations suivantes.

1.  $x^2 + 10x + 16 = 0$

7.  $x^2 + 3x - 10 = 0$

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

8.  $x^2 + 9x + 20 = 0$

3.  $x^2 + 10x + 25 = 0$

9.  $x^2 - 2x - 35 = 0$

4.  $x^2 + x - 72 = 0$

10.  $x^2 - x - 12 = 0$

5.  $x^2 - 7x - 8 = 0$

11.  $x^2 + 2x - 35 = 0$

6.  $x^2 - 3x + 2 = 0$

12.  $x^2 - 6x + 8 = 0$

## Résolution d'Équations Quadratiques (I) Réponses

Calculer les solutions des équations suivantes.

1.  $x^2 + 10x + 16 = 0$   
 $(x + 2)(x + 8) = 0$   
 $x = -2, -8$

7.  $x^2 + 3x - 10 = 0$   
 $(x + 5)(x - 2) = 0$   
 $x = -5, 2$

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

8.  $x^2 + 9x + 20 = 0$   
 $(x + 4)(x + 5) = 0$   
 $x = -4, -5$

3.  $x^2 + 10x + 25 = 0$   
 $(x + 5)(x + 5) = 0$   
 $x = -5$

9.  $x^2 - 2x - 35 = 0$   
 $(x + 5)(x - 7) = 0$   
 $x = -5, 7$

4.  $x^2 + x - 72 = 0$   
 $(x - 8)(x + 9) = 0$   
 $x = 8, -9$

10.  $x^2 - x - 12 = 0$   
 $(x - 4)(x + 3) = 0$   
 $x = 4, -3$

5.  $x^2 - 7x - 8 = 0$   
 $(x - 8)(x + 1) = 0$   
 $x = 8, -1$

11.  $x^2 + 2x - 35 = 0$   
 $(x + 7)(x - 5) = 0$   
 $x = -7, 5$

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

12.  $x^2 - 6x + 8 = 0$   
 $(x - 4)(x - 2) = 0$   
 $x = 4, 2$