

# Résolution d'Équations Quadratiques (G)

Calculer les solutions des équations suivantes.

1.  $x^2 + 2x - 24 = 0$

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

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

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

3.  $-x^2 - 7x + 18 = 0$

9.  $x^2 + x - 56 = 0$

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

10.  $x^2 - 12x + 36 = 0$

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

11.  $-x^2 - 14x - 49 = 0$

6.  $x^2 - 25 = 0$

12.  $-x^2 - 5x - 6 = 0$

## Résolution d'Équations Quadratiques (G) Réponses

Calculer les solutions des équations suivantes.

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

7.  $-x^2 + 10x - 24 = 0$   
 $-(x - 4)(x - 6) = 0$   
 $x = 4, 6$

2.  $x^2 - 9x + 8 = 0$   
 $(x - 1)(x - 8) = 0$   
 $x = 1, 8$

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

3.  $-x^2 - 7x + 18 = 0$   
 $(x + 9)(x - 2) = 0$   
 $x = -9, 2$

9.  $x^2 + x - 56 = 0$   
 $(x - 7)(x + 8) = 0$   
 $x = 7, -8$

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

10.  $x^2 - 12x + 36 = 0$   
 $(x - 6)(x - 6) = 0$   
 $x = 6$

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

11.  $-x^2 - 14x - 49 = 0$   
 $-(x + 7)(x + 7) = 0$   
 $x = -7$

6.  $x^2 - 25 = 0$   
 $(x + 5)(x - 5) = 0$   
 $x = -5, 5$

12.  $-x^2 - 5x - 6 = 0$   
 $-(x + 3)(x + 2) = 0$   
 $x = -3, -2$