# Résolution d'Équations Quadratiques (A)

Calculer les solutions des équations suivantes.

1. $-x^2 - 2x + 8 = 0$
2. $-x^2 + 4x - 4 = 0$
3. $-x^2 + 5x - 4 = 0$
4. $-x^2 + x + 6 = 0$
5. $x^2 + 2x - 48 = 0$
6. $x^2 - 10x + 24 = 0$
7. $-x^2 + 10x - 21 = 0$
8. $-x^2 - 9x - 20 = 0$
9. $x^2 + 6x - 7 = 0$
10. $-x^2 - 10x - 25 = 0$
11. $x^2 + 14x + 45 = 0$
12. $-x^2 + x + 20 = 0$

# Résolution d'Équations Quadratiques (A) Réponses

Calculer les solutions des équations suivantes.

1. $-x^2 - 2x + 8 = 0$
$-(x - 2)(x + 4) = 0$
$x = 2 \ , \ -4$

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

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

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

5. $x^2 + 2x - 48 = 0$
$(x + 8)(x - 6) = 0$
$x = -8 \ , \ 6$

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

7. $-x^2 + 10x - 21 = 0$
$-(x - 3)(x - 7) = 0$
$x = 3 \ , \ 7$

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

9. $x^2 + 6x - 7 = 0$
$(x - 1)(x + 7) = 0$
$x = 1 \ , \ -7$

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

11. $x^2 + 14x + 45 = 0$
$(x + 5)(x + 9) = 0$
$x = -5 \ , \ -9$

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

# Résolution d'Équations Quadratiques (B)

Calculer les solutions des équations suivantes.

1. $-x^2 + 3x + 10 = 0$
2. $x^2 + 11x + 28 = 0$
3. $x^2 - 49 = 0$
4. $x^2 + 12x + 35 = 0$
5. $-x^2 + 11x - 18 = 0$
6. $-x^2 - 16x - 63 = 0$
7. $x^2 + 6x - 16 = 0$
8. $-x^2 + 6x + 7 = 0$
9. $-x^2 - x + 12 = 0$
10. $-x^2 + 8x - 15 = 0$
11. $x^2 - 4x + 4 = 0$
12. $x^2 + 4x - 12 = 0$

# Résolution d'Équations Quadratiques (B) Réponses

Calculer les solutions des équations suivantes.

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

2. $x^2 + 11x + 28 = 0$
   $(x + 7)(x + 4) = 0$
   $x = -7 \ , \ -4$

3. $x^2 - 49 = 0$
   $(x + 7)(x - 7) = 0$
   $x = -7 \ , \ 7$

4. $x^2 + 12x + 35 = 0$
   $(x + 5)(x + 7) = 0$
   $x = -5 \ , \ -7$

5. $-x^2 + 11x - 18 = 0$
   $(x - 9)(x - 2) = 0$
   $x = 9 \ , \ 2$

6. $-x^2 - 16x - 63 = 0$
   $(x + 9)(x + 7) = 0$
   $x = -9 \ , \ -7$

7. $x^2 + 6x - 16 = 0$
   $(x + 8)(x - 2) = 0$
   $x = -8 \ , \ 2$

8. $-x^2 + 6x + 7 = 0$
   $-(x - 7)(x + 1) = 0$
   $x = 7 \ , \ -1$

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

10. $-x^2 + 8x - 15 = 0$
    $-(x - 3)(x - 5) = 0$
    $x = 3 \ , \ 5$

11. $x^2 - 4x + 4 = 0$
    $(x - 2)(x - 2) = 0$
    $x = 2$

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

# Résolution d'Équations Quadratiques (C)

Calculer les solutions des équations suivantes.

1. $-x^2 - 10x - 16 = 0$
2. $-x^2 - x + 72 = 0$
3. $x^2 - x - 56 = 0$
4. $-x^2 - 10x - 9 = 0$
5. $-x^2 - 5x - 6 = 0$
6. $x^2 - 3x + 2 = 0$
7. $-x^2 - 3x - 2 = 0$
8. $x^2 - 2x - 35 = 0$
9. $-x^2 + 7x - 12 = 0$
10. $x^2 + 12x + 27 = 0$
11. $-x^2 + 3x + 10 = 0$
12. $-x^2 + 2x + 35 = 0$

# Résolution d'Équations Quadratiques (C) Réponses

Calculer les solutions des équations suivantes.

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

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

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

4. $-x^2 - 10x - 9 = 0$
   $-(x + 9)(x + 1) = 0$
   $x = -9 \ , \ -1$

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

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

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

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

9. $-x^2 + 7x - 12 = 0$
   $-(x - 4)(x - 3) = 0$
   $x = 4 \ , \ 3$

10. $x^2 + 12x + 27 = 0$
    $(x + 9)(x + 3) = 0$
    $x = -9 \ , \ -3$

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

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

# Résolution d'Équations Quadratiques (D)

Calculer les solutions des équations suivantes.

1. $-x^2 - 11x - 18 = 0$
2. $-x^2 - 6x + 7 = 0$
3. $x^2 - 5x - 36 = 0$
4. $x^2 - 2x - 3 = 0$
5. $x^2 - 7x + 12 = 0$
6. $-x^2 - 8x - 15 = 0$
7. $x^2 - 10x + 25 = 0$
8. $-x^2 - 2x + 48 = 0$
9. $x^2 - 8x + 7 = 0$
10. $x^2 + 6x + 5 = 0$
11. $-x^2 - 15x - 56 = 0$
12. $-x^2 + 9x - 14 = 0$

# Résolution d'Équations Quadratiques (D) Réponses

Calculer les solutions des équations suivantes.

1. $-x^2 - 11x - 18 = 0$
$-(x + 2)(x + 9) = 0$
$x = -2 \ , \ -9$

2. $-x^2 - 6x + 7 = 0$
$(x + 7)(x - 1) = 0$
$x = -7 \ , \ 1$

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

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

5. $x^2 - 7x + 12 = 0$
$(x - 4)(x - 3) = 0$
$x = 4 \ , \ 3$

6. $-x^2 - 8x - 15 = 0$
$(x + 3)(x + 5) = 0$
$x = -3 \ , \ -5$

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

8. $-x^2 - 2x + 48 = 0$
$-(x - 6)(x + 8) = 0$
$x = 6 \ , \ -8$

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

10. $x^2 + 6x + 5 = 0$
$(x + 1)(x + 5) = 0$
$x = -1 \ , \ -5$

11. $-x^2 - 15x - 56 = 0$
$-(x + 8)(x + 7) = 0$
$x = -8 \ , \ -7$

12. $-x^2 + 9x - 14 = 0$
$-(x - 2)(x - 7) = 0$
$x = 2 \ , \ 7$

# Résolution d'Équations Quadratiques (E)

Calculer les solutions des équations suivantes.

1. $x^2 - 10x + 24 = 0$
2. $x^2 - 81 = 0$
3. $x^2 + 2x - 35 = 0$
4. $x^2 - 4x - 5 = 0$
5. $-x^2 - 7x + 18 = 0$
6. $-x^2 + 6x - 5 = 0$
7. $x^2 - 9x + 18 = 0$
8. $-x^2 + 25 = 0$
9. $x^2 + 4x - 45 = 0$
10. $-x^2 + 7x - 12 = 0$
11. $-x^2 - 9x - 18 = 0$
12. $-x^2 + x + 56 = 0$

# Résolution d'Équations Quadratiques (E) Réponses

Calculer les solutions des équations suivantes.

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

2. $x^2 - 81 = 0$
   $(x + 9)(x - 9) = 0$
   $x = -9 \ , \ 9$

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

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

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

6. $-x^2 + 6x - 5 = 0$
   $(x - 1)(x - 5) = 0$
   $x = 1 \ , \ 5$

7. $x^2 - 9x + 18 = 0$
   $(x - 3)(x - 6) = 0$
   $x = 3 \ , \ 6$

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

9. $x^2 + 4x - 45 = 0$
   $(x - 5)(x + 9) = 0$
   $x = 5 \ , \ -9$

10. $-x^2 + 7x - 12 = 0$
    $-(x - 3)(x - 4) = 0$
    $x = 3 \ , \ 4$

11. $-x^2 - 9x - 18 = 0$
    $-(x + 6)(x + 3) = 0$
    $x = -6 \ , \ -3$

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

# Résolution d'Équations Quadratiques (F)

Calculer les solutions des équations suivantes.

1. $-x^2 - 16x - 63 = 0$
2. $-x^2 + 2x + 24 = 0$
3. $-x^2 + x + 20 = 0$
4. $x^2 + 10x + 9 = 0$
5. $-x^2 - 2x + 24 = 0$
6. $-x^2 + 9 = 0$
7. $x^2 + 17x + 72 = 0$
8. $-x^2 + 13x - 36 = 0$
9. $-x^2 + 9x - 14 = 0$
10. $x^2 - 81 = 0$
11. $x^2 - x - 42 = 0$
12. $x^2 + 11x + 28 = 0$

# Résolution d'Équations Quadratiques (F) Réponses

Calculer les solutions des équations suivantes.

1. $-x^2 - 16x - 63 = 0$
$-(x + 7)(x + 9) = 0$
$x = -7 \ , \ -9$

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

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

4. $x^2 + 10x + 9 = 0$
$(x + 1)(x + 9) = 0$
$x = -1 \ , \ -9$

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

6. $-x^2 + 9 = 0$
$(x + 3)(x - 3) = 0$
$x = -3 \ , \ 3$

7. $x^2 + 17x + 72 = 0$
$(x + 8)(x + 9) = 0$
$x = -8 \ , \ -9$

8. $-x^2 + 13x - 36 = 0$
$-(x - 9)(x - 4) = 0$
$x = 9 \ , \ 4$

9. $-x^2 + 9x - 14 = 0$
$-(x - 2)(x - 7) = 0$
$x = 2 \ , \ 7$

10. $x^2 - 81 = 0$
$(x - 9)(x + 9) = 0$
$x = 9 \ , \ -9$

11. $x^2 - x - 42 = 0$
$(x - 7)(x + 6) = 0$
$x = 7 \ , \ -6$

12. $x^2 + 11x + 28 = 0$
$(x + 7)(x + 4) = 0$
$x = -7 \ , \ -4$

# Résolution d'Équations Quadratiques (G)

Calculer les solutions des équations suivantes.

1. $x^2 + 2x - 24 = 0$
2. $x^2 - 9x + 8 = 0$
3. $-x^2 - 7x + 18 = 0$
4. $-x^2 + 5x + 36 = 0$
5. $-x^2 + x + 12 = 0$
6. $x^2 - 25 = 0$
7. $-x^2 + 10x - 24 = 0$
8. $-x^2 - 7x + 8 = 0$
9. $x^2 + x - 56 = 0$
10. $x^2 - 12x + 36 = 0$
11. $-x^2 - 14x - 49 = 0$
12. $-x^2 - 5x - 6 = 0$

# Résolution d'Équations Quadratiques (G) Réponses

Calculer les solutions des équations suivantes.

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

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

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

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

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

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

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

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

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

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

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

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

# Résolution d'Équations Quadratiques (H)

Calculer les solutions des équations suivantes.

1. $-x^2 - 5x + 24 = 0$

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

3. $x^2 - 4x - 5 = 0$

4. $-x^2 + 11x - 28 = 0$

5. $-x^2 - 17x - 72 = 0$

6. $x^2 + 3x - 4 = 0$

7. $x^2 - 15x + 56 = 0$

8. $x^2 - 13x + 36 = 0$

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

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

11. $-x^2 - 4x + 21 = 0$

12. $x^2 + 13x + 40 = 0$

# Résolution d'Équations Quadratiques (H) Réponses

Calculer les solutions des équations suivantes.

1. $-x^2 - 5x + 24 = 0$
   $-(x + 8)(x - 3) = 0$
   $x = -8 \ , \ 3$

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

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

4. $-x^2 + 11x - 28 = 0$
   $-(x - 4)(x - 7) = 0$
   $x = 4 \ , \ 7$

5. $-x^2 - 17x - 72 = 0$
   $(x + 9)(x + 8) = 0$
   $x = -9 \ , \ -8$

6. $x^2 + 3x - 4 = 0$
   $(x + 4)(x - 1) = 0$
   $x = -4 \ , \ 1$

7. $x^2 - 15x + 56 = 0$
   $(x - 8)(x - 7) = 0$
   $x = 8 \ , \ 7$

8. $x^2 - 13x + 36 = 0$
   $(x - 4)(x - 9) = 0$
   $x = 4 \ , \ 9$

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

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

11. $-x^2 - 4x + 21 = 0$
    $-(x - 3)(x + 7) = 0$
    $x = 3 \ , \ -7$

12. $x^2 + 13x + 40 = 0$
    $(x + 8)(x + 5) = 0$
    $x = -8 \ , \ -5$

# Résolution d'Équations Quadratiques (I)

Calculer les solutions des équations suivantes.

1. $-x^2 + 11x - 24 = 0$

2. $x^2 - 2x - 15 = 0$

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

4. $x^2 - 7x - 18 = 0$

5. $-x^2 - 2x + 15 = 0$

6. $x^2 + 6x - 7 = 0$

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

8. $-x^2 + 12x - 27 = 0$

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

10. $x^2 - 6x - 16 = 0$

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

12. $x^2 - x - 30 = 0$

# Résolution d'Équations Quadratiques (I) Réponses

Calculer les solutions des équations suivantes.

1. $-x^2 + 11x - 24 = 0$
   $-(x - 3)(x - 8) = 0$
   $x = 3 \ , \ 8$

2. $x^2 - 2x - 15 = 0$
   $(x + 3)(x - 5) = 0$
   $x = -3 \ , \ 5$

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

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

5. $-x^2 - 2x + 15 = 0$
   $(x - 3)(x + 5) = 0$
   $x = 3 \ , \ -5$

6. $x^2 + 6x - 7 = 0$
   $(x - 1)(x + 7) = 0$
   $x = 1 \ , \ -7$

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

8. $-x^2 + 12x - 27 = 0$
   $-(x - 9)(x - 3) = 0$
   $x = 9 \ , \ 3$

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

10. $x^2 - 6x - 16 = 0$
    $(x - 8)(x + 2) = 0$
    $x = 8 \ , \ -2$

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

12. $x^2 - x - 30 = 0$
    $(x + 5)(x - 6) = 0$
    $x = -5 \ , \ 6$

# Résolution d'Équations Quadratiques (J)

Calculer les solutions des équations suivantes.

1. $x^2 + 13x + 36 = 0$
2. $x^2 + 17x + 72 = 0$
3. $x^2 - x - 72 = 0$
4. $x^2 + 9x + 18 = 0$
5. $-x^2 - 10x - 25 = 0$
6. $-x^2 + 9x - 14 = 0$
7. $x^2 - 49 = 0$
8. $-x^2 + 4 = 0$
9. $x^2 - 13x + 42 = 0$
10. $x^2 - 9x + 20 = 0$
11. $-x^2 + 2x + 8 = 0$
12. $x^2 + 3x - 10 = 0$

# Résolution d'Équations Quadratiques (J) Réponses

Calculer les solutions des équations suivantes.

1. $x^2 + 13x + 36 = 0$
   $(x + 9)(x + 4) = 0$
   $x = -9 \ , \ -4$

2. $x^2 + 17x + 72 = 0$
   $(x + 8)(x + 9) = 0$
   $x = -8 \ , \ -9$

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

4. $x^2 + 9x + 18 = 0$
   $(x + 3)(x + 6) = 0$
   $x = -3 \ , \ -6$

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

6. $-x^2 + 9x - 14 = 0$
   $(x - 2)(x - 7) = 0$
   $x = 2 \ , \ 7$

7. $x^2 - 49 = 0$
   $(x + 7)(x - 7) = 0$
   $x = -7 \ , \ 7$

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

9. $x^2 - 13x + 42 = 0$
   $(x - 7)(x - 6) = 0$
   $x = 7 \ , \ 6$

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

11. $-x^2 + 2x + 8 = 0$
    $-(x + 2)(x - 4) = 0$
    $x = -2 \ , \ 4$

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