# Resolver Cuadráticas (C)

Resuelva cada ecuación en función de x.

1. $-64x^2 + 8x + 2 = 0$

2. $15x^2 - 39x - 1 = 17$

3. $-18x^2 + 3x + 9 = -19$

4. $56x^2 - 9x - 71 = 10$

5. $-48x^2 - 16x + 26 = -6$

6. $-72x^2 + 12x + 8 = -16$

7. $72x^2 + 59x + 6 = -6$

8. $3x^2 - 19x + 3 = -3$

9. $24x^2 + 26x + 4 = -2$

10. $-21x^2 - 36x - 14 = 1$

11. $35x^2 + 77x + 24 = -18$

12. $-3x^2 + 16x + 1 = -63$

# Resolver Cuadráticas (C) Respuestas

Resuelva cada ecuación en función de x.

1. $-64x^2 + 8x + 2 = 0$
   $-64x^2 + 8x + 2 = 0$
   $-(8x + 1)(8x - 2) = 0$
   $x = -1/8,\ \ 1/4$

2. $15x^2 - 39x - 1 = 17$
   $15x^2 - 39x - 18 = 0$
   $(5x + 2)(3x - 9) = 0$
   $x = -2/5,\ \ 3$

3. $-18x^2 + 3x + 9 = -19$
   $-18x^2 + 3x + 28 = 0$
   $(6x + 7)(3x - 4) = 0$
   $x = -1\ 1/6,\ \ 1\ 1/3$

4. $56x^2 - 9x - 71 = 10$
   $56x^2 - 9x - 81 = 0$
   $(7x - 9)(8x + 9) = 0$
   $x = 1\ 2/7,\ \ -1\ 1/8$

5. $-48x^2 - 16x + 26 = -6$
   $-48x^2 - 16x + 32 = 0$
   $(6x - 4)(8x + 8) = 0$
   $x = 2/3,\ \ -1$

6. $-72x^2 + 12x + 8 = -16$
   $-72x^2 + 12x + 24 = 0$
   $(9x - 6)(8x + 4) = 0$
   $x = 2/3,\ \ -1/2$

7. $72x^2 + 59x + 6 = -6$
   $72x^2 + 59x + 12 = 0$
   $(8x + 3)(9x + 4) = 0$
   $x = -3/8,\ \ -4/9$

8. $3x^2 - 19x + 3 = -3$
   $3x^2 - 19x + 6 = 0$
   $(x - 6)(3x - 1) = 0$
   $x = 6\ ,\ \ 1/3$

9. $24x^2 + 26x + 4 = -2$
   $24x^2 + 26x + 6 = 0$
   $(6x + 2)(4x + 3) = 0$
   $x = -1/3,\ \ -3/4$

10. $-21x^2 - 36x - 14 = 1$
    $-21x^2 - 36x - 15 = 0$
    $-(3x + 3)(7x + 5) = 0$
    $x = -1\ ,\ \ -5/7$

11. $35x^2 + 77x + 24 = -18$
    $35x^2 + 77x + 42 = 0$
    $(7x + 7)(5x + 6) = 0$
    $x = -1\ ,\ \ -1\ 1/5$

12. $-3x^2 + 16x + 1 = -63$
    $-3x^2 + 16x + 64 = 0$
    $-(x - 8)(3x + 8) = 0$
    $x = 8\ ,\ \ -2\ 2/3$