

## Resolver Cuadráticas (B)

Resuelva cada ecuación en función de x.

1.  $5x^2 + 3x - 1 = 1$

7.  $-72x^2 - 7x + 1 = -1$

2.  $-16x^2 - 52x - 8 = 32$

8.  $49x^2 - 98x + 29 = -19$

3.  $48x^2 + 76x + 1 = -29$

9.  $30x^2 + 17x - 5 = 16$

4.  $18x^2 + 27x - 1 = 4$

10.  $-72x^2 - 12x + 11 = -1$

5.  $-4x^2 + 15x + 30 = -24$

11.  $-7x^2 - 35x - 11 = 17$

6.  $3x^2 + 12x - 10 = 5$

12.  $-24x^2 - 40x - 4 = 12$

# Resolver Cuadráticas (B) Respuestas

Resuelva cada ecuación en función de x.

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

2.  $-16x^2 - 52x - 8 = 32$   
 $-16x^2 - 52x - 40 = 0$   
 $(4x + 5)(4x + 8) = 0$   
 $x = -1 \frac{1}{4}, -2$

3.  $48x^2 + 76x + 1 = -29$   
 $48x^2 + 76x + 30 = 0$   
 $(6x + 5)(8x + 6) = 0$   
 $x = -5/6, -3/4$

4.  $18x^2 + 27x - 1 = 4$   
 $18x^2 + 27x - 5 = 0$   
 $(3x + 5)(6x - 1) = 0$   
 $x = -1 \frac{2}{3}, 1/6$

5.  $-4x^2 + 15x + 30 = -24$   
 $-4x^2 + 15x + 54 = 0$   
 $(4x + 9)(x - 6) = 0$   
 $x = -2 \frac{1}{4}, 6$

6.  $3x^2 + 12x - 10 = 5$   
 $3x^2 + 12x - 15 = 0$   
 $(3x - 3)(x + 5) = 0$   
 $x = 1, -5$

7.  $-72x^2 - 7x + 1 = -1$   
 $-72x^2 - 7x + 2 = 0$   
 $-(9x + 2)(8x - 1) = 0$   
 $x = -2/9, 1/8$

8.  $49x^2 - 98x + 29 = -19$   
 $49x^2 - 98x + 48 = 0$   
 $(7x - 6)(7x - 8) = 0$   
 $x = 6/7, 1 \frac{1}{7}$

9.  $30x^2 + 17x - 5 = 16$   
 $30x^2 + 17x - 21 = 0$   
 $(5x - 3)(6x + 7) = 0$   
 $x = 3/5, -1 \frac{1}{6}$

10.  $-72x^2 - 12x + 11 = -1$   
 $-72x^2 - 12x + 12 = 0$   
 $-(9x - 3)(8x + 4) = 0$   
 $x = 1/3, -1/2$

11.  $-7x^2 - 35x - 11 = 17$   
 $-7x^2 - 35x - 28 = 0$   
 $-(7x + 7)(x + 4) = 0$   
 $x = -1, -4$

12.  $-24x^2 - 40x - 4 = 12$   
 $-24x^2 - 40x - 16 = 0$   
 $-(4x + 4)(6x + 4) = 0$   
 $x = -1, -2/3$