

## Resolver Cuadráticas (F)

Resuelva cada ecuación en función de x.

1.  $-36x^2 + 6x + 2 = -18$

7.  $-36x^2 + 18x + 6 = -4$

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

8.  $-16x^2 + 30x + 23 = -2$

3.  $-48x^2 - 80x - 6 = 22$

9.  $-28x^2 + 60x - 14 = 18$

4.  $45x^2 - 6x - 2 = 1$

10.  $36x^2 - 60x + 17 = -7$

5.  $-36x^2 + 39x - 4 = 5$

11.  $45x^2 + 4x - 1 = 0$

6.  $28x^2 + 2x - 4 = 2$

12.  $54x^2 + 18x - 33 = 3$

# Resolver Cuadráticas (F) Respuestas

Resuelva cada ecuación en función de x.

1.  $-36x^2 + 6x + 2 = -18$   
 $-36x^2 + 6x + 20 = 0$   
 $-(6x - 5)(6x + 4) = 0$   
 $x = 5/6, -2/3$

2.  $-6x^2 - 10x - 2 = 2$   
 $-6x^2 - 10x - 4 = 0$   
 $(3x + 2)(2x + 2) = 0$   
 $x = -2/3, -1$

3.  $-48x^2 - 80x - 6 = 22$   
 $-48x^2 - 80x - 28 = 0$   
 $(6x + 7)(8x + 4) = 0$   
 $x = -1\frac{1}{6}, -1/2$

4.  $45x^2 - 6x - 2 = 1$   
 $45x^2 - 6x - 3 = 0$   
 $(5x + 1)(9x - 3) = 0$   
 $x = -1/5, 1/3$

5.  $-36x^2 + 39x - 4 = 5$   
 $-36x^2 + 39x - 9 = 0$   
 $(4x - 3)(9x - 3) = 0$   
 $x = 3/4, 1/3$

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

7.  $-36x^2 + 18x + 6 = -4$   
 $-36x^2 + 18x + 10 = 0$   
 $-(6x + 2)(6x - 5) = 0$   
 $x = -1/3, 5/6$

8.  $-16x^2 + 30x + 23 = -2$   
 $-16x^2 + 30x + 25 = 0$   
 $-(8x + 5)(2x - 5) = 0$   
 $x = -5/8, 2\frac{1}{2}$

9.  $-28x^2 + 60x - 14 = 18$   
 $-28x^2 + 60x - 32 = 0$   
 $-(4x - 4)(7x - 8) = 0$   
 $x = 1, 1\frac{1}{7}$

10.  $36x^2 - 60x + 17 = -7$   
 $36x^2 - 60x + 24 = 0$   
 $(9x - 6)(4x - 4) = 0$   
 $x = 2/3, 1$

11.  $45x^2 + 4x - 1 = 0$   
 $45x^2 + 4x - 1 = 0$   
 $(5x + 1)(9x - 1) = 0$   
 $x = -1/5, 1/9$

12.  $54x^2 + 18x - 33 = 3$   
 $54x^2 + 18x - 36 = 0$   
 $(9x - 6)(6x + 6) = 0$   
 $x = 2/3, -1$