

Resolver Cuadráticas (E)

Resuelva cada ecuación en función de x.

1. $-12x^2 - 26x - 10 = 2$

7. $24x^2 + 38x + 3 = -5$

2. $8x^2 + 71x - 7 = 2$

8. $-4x^2 - 27x - 7 = 11$

3. $2x^2 - 20x + 1 = -31$

9. $-49x^2 + 28x = -45$

4. $-20x^2 - 26x + 13 = -5$

10. $3x^2 + 13x + 8 = -6$

5. $-4x^2 - 19x + 14 = -16$

11. $-7x^2 - 5x + 1 = -1$

6. $-14x^2 + 11x - 1 = 1$

12. $9x^2 + 17x + 1 = -7$

Resolver Cuadráticas (E) Respuestas

Resuelva cada ecuación en función de x.

1. $-12x^2 - 26x - 10 = 2$
 $-12x^2 - 26x - 12 = 0$
 $-(4x + 6)(3x + 2) = 0$
 $x = -1 \frac{1}{2}, -\frac{2}{3}$

2. $8x^2 + 71x - 7 = 2$
 $8x^2 + 71x - 9 = 0$
 $(8x - 1)(x + 9) = 0$
 $x = \frac{1}{8}, -9$

3. $2x^2 - 20x + 1 = -31$
 $2x^2 - 20x + 32 = 0$
 $(2x - 4)(x - 8) = 0$
 $x = 2, 8$

4. $-20x^2 - 26x + 13 = -5$
 $-20x^2 - 26x + 18 = 0$
 $-(5x + 9)(4x - 2) = 0$
 $x = -1 \frac{4}{5}, \frac{1}{2}$

5. $-4x^2 - 19x + 14 = -16$
 $-4x^2 - 19x + 30 = 0$
 $(x + 6)(4x - 5) = 0$
 $x = -6, 1 \frac{1}{4}$

6. $-14x^2 + 11x - 1 = 1$
 $-14x^2 + 11x - 2 = 0$
 $(2x - 1)(7x - 2) = 0$
 $x = \frac{1}{2}, \frac{2}{7}$

7. $24x^2 + 38x + 3 = -5$
 $24x^2 + 38x + 8 = 0$
 $(4x + 1)(6x + 8) = 0$
 $x = -\frac{1}{4}, -1 \frac{1}{3}$

8. $-4x^2 - 27x - 7 = 11$
 $-4x^2 - 27x - 18 = 0$
 $-(x + 6)(4x + 3) = 0$
 $x = -6, -\frac{3}{4}$

9. $-49x^2 + 28x = -45$
 $-49x^2 + 28x + 45 = 0$
 $-(7x - 9)(7x + 5) = 0$
 $x = 1 \frac{2}{7}, -\frac{5}{7}$

10. $3x^2 + 13x + 8 = -6$
 $3x^2 + 13x + 14 = 0$
 $(x + 2)(3x + 7) = 0$
 $x = -2, -2 \frac{1}{3}$

11. $-7x^2 - 5x + 1 = -1$
 $-7x^2 - 5x + 2 = 0$
 $-(x + 1)(7x - 2) = 0$
 $x = -1, \frac{2}{7}$

12. $9x^2 + 17x + 1 = -7$
 $9x^2 + 17x + 8 = 0$
 $(x + 1)(9x + 8) = 0$
 $x = -1, -\frac{8}{9}$