

Resolver Cuadráticas (E)

Resuelva cada ecuación en función de x.

1. $24x^2 - 46x + 8 = -12$

7. $40x^2 - 52x - 18 = 18$

2. $27x^2 - 57x - 34 = 6$

8. $12x^2 + 8x - 1 = 3$

3. $5x^2 - 22x - 14 = 1$

9. $54x^2 + 60x + 10 = -4$

4. $8x^2 + 6x - 12 = 8$

10. $63x^2 + 48x + 8 = -1$

5. $18x^2 + 54x + 2 = -34$

11. $15x^2 - 23x + 6 = 0$

6. $28x^2 + 23x + 1 = -3$

12. $12x^2 - 16x - 9 = 7$

Resolver Cuadráticas (E) Respuestas

Resuelva cada ecuación en función de x.

1. $24x^2 - 46x + 8 = -12$
 $24x^2 - 46x + 20 = 0$
 $(4x - 5)(6x - 4) = 0$
 $x = 1 \frac{1}{4}, \frac{2}{3}$

7. $40x^2 - 52x - 18 = 18$
 $40x^2 - 52x - 36 = 0$
 $(5x - 9)(8x + 4) = 0$
 $x = 1 \frac{4}{5}, -\frac{1}{2}$

2. $27x^2 - 57x - 34 = 6$
 $27x^2 - 57x - 40 = 0$
 $(3x - 8)(9x + 5) = 0$
 $x = 2 \frac{2}{3}, -\frac{5}{9}$

8. $12x^2 + 8x - 1 = 3$
 $12x^2 + 8x - 4 = 0$
 $(4x + 4)(3x - 1) = 0$
 $x = -1, \frac{1}{3}$

3. $5x^2 - 22x - 14 = 1$
 $5x^2 - 22x - 15 = 0$
 $(5x + 3)(x - 5) = 0$
 $x = -\frac{3}{5}, 5$

9. $54x^2 + 60x + 10 = -4$
 $54x^2 + 60x + 14 = 0$
 $(9x + 7)(6x + 2) = 0$
 $x = -\frac{7}{9}, -\frac{1}{3}$

4. $8x^2 + 6x - 12 = 8$
 $8x^2 + 6x - 20 = 0$
 $(4x - 5)(2x + 4) = 0$
 $x = 1 \frac{1}{4}, -2$

10. $63x^2 + 48x + 8 = -1$
 $63x^2 + 48x + 9 = 0$
 $(9x + 3)(7x + 3) = 0$
 $x = -\frac{1}{3}, -\frac{3}{7}$

5. $18x^2 + 54x + 2 = -34$
 $18x^2 + 54x + 36 = 0$
 $(2x + 4)(9x + 9) = 0$
 $x = -2, -1$

11. $15x^2 - 23x + 6 = 0$
 $15x^2 - 23x + 6 = 0$
 $(3x - 1)(5x - 6) = 0$
 $x = \frac{1}{3}, 1 \frac{1}{5}$

6. $28x^2 + 23x + 1 = -3$
 $28x^2 + 23x + 4 = 0$
 $(4x + 1)(7x + 4) = 0$
 $x = -\frac{1}{4}, -\frac{4}{7}$

12. $12x^2 - 16x - 9 = 7$
 $12x^2 - 16x - 16 = 0$
 $(6x + 4)(2x - 4) = 0$
 $x = -\frac{2}{3}, 2$