

Resolver Cuadráticas (D)

Resuelva cada ecuación en función de x.

1. $20x^2 + 34x + 10 = -2$

7. $2x^2 + 19x + 41 = -4$

2. $16x^2 + 66x + 11 = -24$

8. $15x^2 - 67x + 4 = -68$

3. $35x^2 - 101x + 18 = -54$

9. $12x^2 - 29x + 1 = -14$

4. $56x^2 + 4x - 7 = 9$

10. $27x^2 + 96x + 57 = -7$

5. $9x^2 + 53x - 1 = 5$

11. $20x^2 + 43x + 18 = -3$

6. $36x^2 - 2x - 9 = 1$

12. $32x^2 + 48x + 5 = -11$

Resolver Cuadráticas (D) Respuestas

Resuelva cada ecuación en función de x.

1. $20x^2 + 34x + 10 = -2$
 $20x^2 + 34x + 12 = 0$
 $(5x + 6)(4x + 2) = 0$
 $x = -1 \frac{1}{5}, -1/2$

2. $16x^2 + 66x + 11 = -24$
 $16x^2 + 66x + 35 = 0$
 $(8x + 5)(2x + 7) = 0$
 $x = -5/8, -3 \frac{1}{2}$

3. $35x^2 - 101x + 18 = -54$
 $35x^2 - 101x + 72 = 0$
 $(7x - 9)(5x - 8) = 0$
 $x = 1 \frac{2}{7}, 1 \frac{3}{5}$

4. $56x^2 + 4x - 7 = 9$
 $56x^2 + 4x - 16 = 0$
 $(8x - 4)(7x + 4) = 0$
 $x = 1/2, -4/7$

5. $9x^2 + 53x - 1 = 5$
 $9x^2 + 53x - 6 = 0$
 $(x + 6)(9x - 1) = 0$
 $x = -6, 1/9$

6. $36x^2 - 2x - 9 = 1$
 $36x^2 - 2x - 10 = 0$
 $(4x + 2)(9x - 5) = 0$
 $x = -1/2, 5/9$

7. $2x^2 + 19x + 41 = -4$
 $2x^2 + 19x + 45 = 0$
 $(2x + 9)(x + 5) = 0$
 $x = -4 \frac{1}{2}, -5$

8. $15x^2 - 67x + 4 = -68$
 $15x^2 - 67x + 72 = 0$
 $(3x - 8)(5x - 9) = 0$
 $x = 2 \frac{2}{3}, 1 \frac{4}{5}$

9. $12x^2 - 29x + 1 = -14$
 $12x^2 - 29x + 15 = 0$
 $(4x - 3)(3x - 5) = 0$
 $x = 3/4, 1 \frac{2}{3}$

10. $27x^2 + 96x + 57 = -7$
 $27x^2 + 96x + 64 = 0$
 $(9x + 8)(3x + 8) = 0$
 $x = -8/9, -2 \frac{2}{3}$

11. $20x^2 + 43x + 18 = -3$
 $20x^2 + 43x + 21 = 0$
 $(4x + 3)(5x + 7) = 0$
 $x = -3/4, -1 \frac{2}{5}$

12. $32x^2 + 48x + 5 = -11$
 $32x^2 + 48x + 16 = 0$
 $(8x + 4)(4x + 4) = 0$
 $x = -1/2, -1$