

Resolver Cuadráticas (D)

Resuelva cada ecuación en función de x.

1. $4x^2 + 30x + 39 = -15$

7. $x^2 + 16x + 23 = -41$

2. $4x^2 - 18x + 1 = -7$

8. $x^2 - 10x + 15 = -1$

3. $2x^2 + 17x - 2 = 7$

9. $x^2 + 9x + 8 = -6$

4. $x^2 - 15x + 35 = -21$

10. $x^2 - 23 = 41$

5. $2x^2 + 15x - 1 = 7$

11. $2x^2 - 18x + 10 = -26$

6. $4x^2 + 4x - 42 = 6$

12. $2x^2 - 14x + 3 = -9$

Resolver Cuadráticas (D) Respuestas

Resuelva cada ecuación en función de x.

1. $4x^2 + 30x + 39 = -15$
 $4x^2 + 30x + 54 = 0$
 $(2x + 9)(2x + 6) = 0$
 $x = -4 \frac{1}{2}, -3$

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

3. $2x^2 + 17x - 2 = 7$
 $2x^2 + 17x - 9 = 0$
 $(2x - 1)(x + 9) = 0$
 $x = \frac{1}{2}, -9$

4. $x^2 - 15x + 35 = -21$
 $x^2 - 15x + 56 = 0$
 $(x - 7)(x - 8) = 0$
 $x = 7, 8$

5. $2x^2 + 15x - 1 = 7$
 $2x^2 + 15x - 8 = 0$
 $(2x - 1)(x + 8) = 0$
 $x = \frac{1}{2}, -8$

6. $4x^2 + 4x - 42 = 6$
 $4x^2 + 4x - 48 = 0$
 $(2x - 6)(2x + 8) = 0$
 $x = 3, -4$

7. $x^2 + 16x + 23 = -41$
 $x^2 + 16x + 64 = 0$
 $(x + 8)(x + 8) = 0$
 $x = -8$

8. $x^2 - 10x + 15 = -1$
 $x^2 - 10x + 16 = 0$
 $(x - 2)(x - 8) = 0$
 $x = 2, 8$

9. $x^2 + 9x + 8 = -6$
 $x^2 + 9x + 14 = 0$
 $(x + 2)(x + 7) = 0$
 $x = -2, -7$

10. $x^2 - 23 = 41$
 $x^2 - 64 = 0$
 $(x - 8)(x + 8) = 0$
 $x = 8, -8$

11. $2x^2 - 18x + 10 = -26$
 $2x^2 - 18x + 36 = 0$
 $(x - 6)(2x - 6) = 0$
 $x = 6, 3$

12. $2x^2 - 14x + 3 = -9$
 $2x^2 - 14x + 12 = 0$
 $(x - 6)(2x - 2) = 0$
 $x = 6, 1$