

Resolver Cuadráticas (C)

Resuelva cada ecuación en función de x.

1. $32x^2 + 64x + 16 = -14$

7. $16x^2 + 10x + 1 = 0$

2. $35x^2 - 73x + 19 = -17$

8. $40x^2 + 37x + 4 = 0$

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

9. $5x^2 - 23x + 17 = -7$

4. $49x^2 + 91x + 20 = -22$

10. $36x^2 + 102x + 65 = -7$

5. $28x^2 + 51x - 13 = 14$

11. $40x^2 - 56x + 11 = -5$

6. $32x^2 + 4x - 42 = 3$

12. $36x^2 + 47x = -15$

Resolver Cuadráticas (C) Respuestas

Resuelva cada ecuación en función de x.

1. $32x^2 + 64x + 16 = -14$
 $32x^2 + 64x + 30 = 0$
 $(8x + 6)(4x + 5) = 0$
 $x = -3/4, -1 1/4$

2. $35x^2 - 73x + 19 = -17$
 $35x^2 - 73x + 36 = 0$
 $(7x - 9)(5x - 4) = 0$
 $x = 1 2/7, 4/5$

3. $12x^2 - 8x - 3 = 1$
 $12x^2 - 8x - 4 = 0$
 $(3x + 1)(4x - 4) = 0$
 $x = -1/3, 1$

4. $49x^2 + 91x + 20 = -22$
 $49x^2 + 91x + 42 = 0$
 $(7x + 7)(7x + 6) = 0$
 $x = -1, -6/7$

5. $28x^2 + 51x - 13 = 14$
 $28x^2 + 51x - 27 = 0$
 $(7x - 3)(4x + 9) = 0$
 $x = 3/7, -2 1/4$

6. $32x^2 + 4x - 42 = 3$
 $32x^2 + 4x - 45 = 0$
 $(4x + 5)(8x - 9) = 0$
 $x = -1 1/4, 1 1/8$

7. $16x^2 + 10x + 1 = 0$
 $16x^2 + 10x + 1 = 0$
 $(2x + 1)(8x + 1) = 0$
 $x = -1/2, -1/8$

8. $40x^2 + 37x + 4 = 0$
 $40x^2 + 37x + 4 = 0$
 $(8x + 1)(5x + 4) = 0$
 $x = -1/8, -4/5$

9. $5x^2 - 23x + 17 = -7$
 $5x^2 - 23x + 24 = 0$
 $(x - 3)(5x - 8) = 0$
 $x = 3, 1 3/5$

10. $36x^2 + 102x + 65 = -7$
 $36x^2 + 102x + 72 = 0$
 $(6x + 8)(6x + 9) = 0$
 $x = -1 1/3, -1 1/2$

11. $40x^2 - 56x + 11 = -5$
 $40x^2 - 56x + 16 = 0$
 $(5x - 2)(8x - 8) = 0$
 $x = 2/5, 1$

12. $36x^2 + 47x = -15$
 $36x^2 + 47x + 15 = 0$
 $(4x + 3)(9x + 5) = 0$
 $x = -3/4, -5/9$