

Resolver Cuadráticas (I)

Resuelva cada ecuación en función de x.

1. $-21x^2 - 58x - 7 = 14$

7. $18x^2 - 12x + 2 = 0$

2. $24x^2 - 99x + 81 = 0$

8. $-30x^2 - 14x + 8 = 0$

3. $-30x^2 - 71x - 4 = 38$

9. $-16x^2 + 58x - 33 = 12$

4. $-5x^2 + 37x + 63 = -9$

10. $48x^2 - 84x + 12 = -6$

5. $24x^2 + 43x + 10 = -8$

11. $12x^2 - 28x = -16$

6. $7x^2 - 64x + 3 = -6$

12. $3x^2 - 20x + 16 = -9$

Resolver Cuadráticas (I) Respuestas

Resuelva cada ecuación en función de x.

1. $-21x^2 - 58x - 7 = 14$
 $-21x^2 - 58x - 21 = 0$
 $-(7x + 3)(3x + 7) = 0$
 $x = -3/7, -2\ 1/3$

2. $24x^2 - 99x + 81 = 0$
 $24x^2 - 99x + 81 = 0$
 $(3x - 9)(8x - 9) = 0$
 $x = 3, 1\ 1/8$

3. $-30x^2 - 71x - 4 = 38$
 $-30x^2 - 71x - 42 = 0$
 $(6x + 7)(5x + 6) = 0$
 $x = -1\ 1/6, -1\ 1/5$

4. $-5x^2 + 37x + 63 = -9$
 $-5x^2 + 37x + 72 = 0$
 $-(5x + 8)(x - 9) = 0$
 $x = -1\ 3/5, 9$

5. $24x^2 + 43x + 10 = -8$
 $24x^2 + 43x + 18 = 0$
 $(8x + 9)(3x + 2) = 0$
 $x = -1\ 1/8, -2/3$

6. $7x^2 - 64x + 3 = -6$
 $7x^2 - 64x + 9 = 0$
 $(7x - 1)(x - 9) = 0$
 $x = 1/7, 9$

7. $18x^2 - 12x + 2 = 0$
 $18x^2 - 12x + 2 = 0$
 $(3x - 1)(6x - 2) = 0$
 $x = 1/3$

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

9. $-16x^2 + 58x - 33 = 12$
 $-16x^2 + 58x - 45 = 0$
 $-(2x - 5)(8x - 9) = 0$
 $x = 2\ 1/2, 1\ 1/8$

10. $48x^2 - 84x + 12 = -6$
 $48x^2 - 84x + 18 = 0$
 $(8x - 2)(6x - 9) = 0$
 $x = 1/4, 1\ 1/2$

11. $12x^2 - 28x = -16$
 $12x^2 - 28x + 16 = 0$
 $(6x - 8)(2x - 2) = 0$
 $x = 1\ 1/3, 1$

12. $3x^2 - 20x + 16 = -9$
 $3x^2 - 20x + 25 = 0$
 $(3x - 5)(x - 5) = 0$
 $x = 1\ 2/3, 5$