Resolver Cuadráticas (J)

Resuelva cada ecuación en función de x.

1. $48x^2 - 5 = 7$
2. $64x^2 + 80x + 13 = -3$
3. $35x^2 + 69x + 23 = -5$
4. $20x^2 + 42x + 2 = -16$
5. $4x^2 + 6x - 1 = 3$
6. $8x^2 + 12x - 7 = 1$
7. $6x^2 - 12x + 2 = -4$
8. $9x^2 + 27x + 5 = -9$
9. $40x^2 + 6x - 1 = 3$
10. $4x^2 + 22x + 6 = -4$
11. $14x^2 - 30x + 16 = 0$
12. $14x^2 + 77x + 32 = -31$

Resolver Cuadráticas (J) Respuestas

Resuelva cada ecuación en función de x.

1. $48x^2 - 5 = 7$
   $48x^2 - 12 = 0$
   $(6x + 3)(8x - 4) = 0$
   $x = -1/2,\ \ 1/2$

2. $64x^2 + 80x + 13 = -3$
   $64x^2 + 80x + 16 = 0$
   $(8x + 8)(8x + 2) = 0$
   $x = -1\ ,\ -1/4$

3. $35x^2 + 69x + 23 = -5$
   $35x^2 + 69x + 28 = 0$
   $(7x + 4)(5x + 7) = 0$
   $x = -4/7,\ -1\ 2/5$

4. $20x^2 + 42x + 2 = -16$
   $20x^2 + 42x + 18 = 0$
   $(4x + 6)(5x + 3) = 0$
   $x = -1\ 1/2,\ -3/5$

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

6. $8x^2 + 12x - 7 = 1$
   $8x^2 + 12x - 8 = 0$
   $(4x + 8)(2x - 1) = 0$
   $x = -2\ ,\ \ 1/2$

7. $6x^2 - 12x + 2 = -4$
   $6x^2 - 12x + 6 = 0$
   $(x - 1)(6x - 6) = 0$
   $x = 1$

8. $9x^2 + 27x + 5 = -9$
   $9x^2 + 27x + 14 = 0$
   $(3x + 7)(3x + 2) = 0$
   $x = -2\ 1/3,\ -2/3$

9. $40x^2 + 6x - 1 = 3$
   $40x^2 + 6x - 4 = 0$
   $(8x - 2)(5x + 2) = 0$
   $x = 1/4,\ -2/5$

10. $4x^2 + 22x + 6 = -4$
    $4x^2 + 22x + 10 = 0$
    $(4x + 2)(x + 5) = 0$
    $x = -1/2,\ -5$

11. $14x^2 - 30x + 16 = 0$
    $14x^2 - 30x + 16 = 0$
    $(7x - 8)(2x - 2) = 0$
    $x = 1\ 1/7,\ 1$

12. $14x^2 + 77x + 32 = -31$
    $14x^2 + 77x + 63 = 0$
    $(7x + 7)(2x + 9) = 0$
    $x = -1\ ,\ -4\ 1/2$