Resolver Cuadráticas (J)

Resuelva cada ecuación en función de x.

1. $-21x^2 + 83x - 30 = 42$

2. $56x^2 + 19x - 9 = 6$

3. $-42x^2 - 21x + 9 = -54$

4. $-12x^2 - 5x + 3 = 0$

5. $30x^2 + 94x + 4 = -68$

6. $4x^2 + 28x + 27 = -21$

7. $-8x^2 - 14x + 9 = 0$

8. $-18x^2 - 27x = -5$

9. $-6x^2 - 20x - 10 = 6$

10. $20x^2 - 17x - 45 = 18$

11. $8x^2 + 35x + 7 = -5$

12. $63x^2 - 44x - 26 = 6$

Resolver Cuadráticas (J) Respuestas

Resuelva cada ecuación en función de x.

1. $-21x^2 + 83x - 30 = 42$
   $-21x^2 + 83x - 72 = 0$
   $-(7x - 9)(3x - 8) = 0$
   $x = 1\ 2/7,\ \ 2\ 2/3$

2. $56x^2 + 19x - 9 = 6$
   $56x^2 + 19x - 15 = 0$
   $(7x + 5)(8x - 3) = 0$
   $x = -\ 5/7,\ \ 3/8$

3. $-42x^2 - 21x + 9 = -54$
   $-42x^2 - 21x + 63 = 0$
   $(6x + 9)(7x - 7) = 0$
   $x = -1\ 1/2,\ \ 1$

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

5. $30x^2 + 94x + 4 = -68$
   $30x^2 + 94x + 72 = 0$
   $(5x + 9)(6x + 8) = 0$
   $x = -1\ 4/5,\ \ -1\ 1/3$

6. $4x^2 + 28x + 27 = -21$
   $4x^2 + 28x + 48 = 0$
   $(2x + 6)(2x + 8) = 0$
   $x = -3\ ,\ \ -4$

7. $-8x^2 - 14x + 9 = 0$
   $-8x^2 - 14x + 9 = 0$
   $-(4x + 9)(2x - 1) = 0$
   $x = -2\ 1/4,\ \ 1/2$

8. $-18x^2 - 27x = -5$
   $-18x^2 - 27x + 5 = 0$
   $-(6x - 1)(3x + 5) = 0$
   $x = \ 1/6,\ \ -1\ 2/3$

9. $-6x^2 - 20x - 10 = 6$
   $-6x^2 - 20x - 16 = 0$
   $-(2x + 4)(3x + 4) = 0$
   $x = -2\ ,\ \ -1\ 1/3$

10. $20x^2 - 17x - 45 = 18$
    $20x^2 - 17x - 63 = 0$
    $(4x - 9)(5x + 7) = 0$
    $x = 2\ 1/4,\ \ -1\ 2/5$

11. $8x^2 + 35x + 7 = -5$
    $8x^2 + 35x + 12 = 0$
    $(8x + 3)(x + 4) = 0$
    $x = -\ 3/8,\ \ -4$

12. $63x^2 - 44x - 26 = 6$
    $63x^2 - 44x - 32 = 0$
    $(9x + 4)(7x - 8) = 0$
    $x = -\ 4/9,\ \ 1\ 1/7$