

Modulo Ecuaciones con coeficientes racionales

- Ejercicios

1. $\frac{3}{x+1} = \frac{x}{x-1} - 1$

2. $\frac{x+2}{x-1} - \frac{x+3}{x+1} = \frac{2x+2}{x^2-1}$

3. $\frac{2}{x+1} + \frac{3x-3}{x^2-1} = \frac{2}{x-1} + \frac{7}{x+1}$

4. $\frac{5}{x-1} - \frac{3}{x+4} - \frac{3}{x^2+3x-4} = \frac{5}{x-1}$

5. $\frac{15}{x-2} - \frac{12x+6}{x^2-4} = \frac{18}{x+2}$

6. $\frac{1}{x-a} + \frac{1}{x+a} = \frac{1}{x^2-a^2}$

7. $\frac{1 + \frac{x+1}{x-1}}{2 - \frac{x-1}{x+1}} = 2$

$$8. \frac{x-1}{x+1} - \frac{3+x}{x} = 2$$

$$9. \frac{x-1}{x+1} - \frac{3+x}{x-1} = 2$$

$$10. \frac{3}{x + \frac{1}{2 + \frac{x+1}{x-2}}} = \frac{1}{x}$$

$$11. \frac{\frac{x-3}{2} - \frac{x-3}{4}}{x - \frac{1}{1 - \frac{x-1}{x+1}}} = -\frac{1}{x}$$

Respuestas

1. $X = 2$

2. $X = 3$

3. $X = 0$

4. $X = 0$

5. $X = 4$

6. $X = \frac{1}{2}$

7. $X = 3$

8. $X = 3, X = -\frac{1}{2}$

9. $X = -3, X = 0$

10. $X = \frac{1}{2}, X = \frac{3}{2}$

11. $X = 1, X = 2$