OPERACIONES CON FRACCIONES ALGEBRAICAS

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

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

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

4. $\frac{1}{x+2}+\frac{2}{(x+2)(x-1)}=$

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

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

7. $\frac{1}{2}+\frac{2}{3}+\frac{3}{4}=$

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

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

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

SOLUCIONES

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

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

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

4. $\frac{1}{x+2}+\frac{2}{(x+2)(x-1)}=\frac{x+1}{(x+2)(x-1)}$

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

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

7. $\frac{1}{2}+\frac{2}{3}+\frac{3}{4}=\frac{23}{12}$

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

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

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