

Complex Rational Expressions

1. Simplify the expression:

$$\frac{\frac{3}{4} - \frac{5}{6}}{\frac{7}{2} + \frac{4}{3}}$$

2. Simplify the expression:

$$\frac{\frac{x+2}{x-1} - \frac{x-7}{x-5}}{5x-17}$$

3. Simplify the expression:

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

4. Simplify the expression:

$$\frac{\frac{5}{x} - 1}{\frac{25}{x} - x}$$