

New Jersey City University
Intermediate Algebra
Peer Led Team Learning Workshop 7B
Rational Expressions I

Perform each of the following operations and simplify your result.

Section 6.2

1. $\frac{3}{x^2 - 2x - 24} + \frac{x + 2}{x^2 - 16}$

Section 6.3

2. $\frac{\frac{1}{x-5} - \frac{1}{x}}{5}$

Section 6.1

3. $\left[\frac{x+3}{3x+5} + \frac{1}{x+3} \right] \div \left[1 + \frac{4}{x+3} \right]$