

Complex Fractions Notes

- A **complex fraction** is a fraction that contains another fraction in its numerator or denominator.
 - Multiply the numerator and denominator by the LCD of *every* fraction in the expression.
- For example

$$\frac{\frac{x}{4}}{\frac{x}{6}}$$

Example 1: $\frac{\frac{x}{6} \frac{x}{3}}{\frac{x}{5} \frac{7}{10}}$

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

Do these problems before our next lecture.

- $\frac{\frac{2x}{3}}{\frac{x}{6}}$

- $\frac{\frac{2}{x}-4}{\frac{2}{x}+3}$