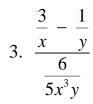
A complex fraction is a fraction that has fractions in the numerator and/or the denominator.

Directions: Simplify the following fraction.

1.
$$\frac{\frac{21x^4}{8y}}{\frac{7x^3}{16y^2}}$$
 2. $\frac{\frac{x^2 - 5x + 6}{10x + 5}}{\frac{4 - x^2}{6x + 3}}$

Single Fractions:

Change the division to multiplication. Reduce.



Multiple Fractions:

1. Find the LCD of <u>all</u> the fractions.

2. Multiply **<u>every</u>** term by the LCD.

3. Reduce

$$4. \ \frac{\frac{1}{x} - \frac{1}{2}}{\frac{5}{7x} - \frac{5}{14xy}}$$

5.
$$\frac{2 - \frac{7}{3x} - \frac{10}{3x^2}}{4 - \frac{8}{3x} - \frac{5}{x^2}}$$

Multiple Fractions:

1. Find the LCD of <u>all</u> the fractions.

2. Multiply **<u>every</u>** term by the LCD.

3. Reduce

$$6. \ \frac{\frac{2}{x} + \frac{1}{y}}{x+3}$$

$$7. \ \frac{\frac{5+h}{3+h} - \frac{5}{3}}{h}$$