

Name: \_\_\_\_\_  
Topic: Complex Fractions

Functions and Statistics: Per \_\_\_\_  
Date: \_\_\_\_\_

**Classwork** Simplify the following

1.  $\frac{\frac{6}{7}}{14}$

2.  $\frac{\frac{5}{9x}}{\frac{2}{3x}}$

3.  $\frac{\frac{2}{3} + \frac{5}{9a}}{\frac{7}{18a}}$

4.  $\frac{\frac{2n}{3} + \frac{3}{2n}}{\frac{4n}{9} + \frac{1}{n}}$

5.  $\frac{1 - \frac{2}{x} - \frac{24}{x^2}}{1 - \frac{6}{x}}$

**Homework:**

$$1. \frac{\frac{4}{5}}{\frac{2}{5}}$$

$$2. \frac{\frac{1}{3} + \frac{3}{w}}{\frac{6}{w}}$$

$$3. \frac{\frac{1}{x} + \frac{1}{y}}{\frac{1}{x} - \frac{1}{y}}$$

$$4. \frac{\frac{s}{s-1} + \frac{s}{s+1}}{\frac{s}{s+1}}$$

$$5. \frac{\frac{5}{x} - \frac{x}{5}}{1 + \frac{8}{x} + \frac{15}{x^2}}$$