

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Class: \_\_\_\_\_

## Complex Fractions

**Directions:** Simplify each expression.

1. 
$$\frac{\frac{6a^3}{5b}}{\frac{21a}{10b^2}}$$

2. 
$$\frac{\frac{18x^2}{x-1}}{\frac{x}{2x-2}}$$

3. 
$$\frac{\frac{4c^2-1}{3c}}{\frac{2c+1}{9c^2}}$$

4. 
$$\frac{\frac{n^2-9n+14}{4n+28}}{\frac{n-7}{n+7}}$$

5. 
$$\frac{\frac{8x^2+24x}{x^2-9}}{2x}$$
  
$$\frac{15-5x}{}$$

6. 
$$\frac{\frac{2v^2+16v}{2v^2-5v-7}}{4v^2+28v-32}$$
  
$$\frac{10v^2-10}{}$$

7. 
$$\frac{\frac{x^2}{4}}{\frac{x^2}{4} - \frac{4}{x}}$$

8. 
$$\frac{1 - \frac{a}{a-b}}{\frac{1}{a-b}}$$