

## 7.3 Complex Fractions Practice

**Directions:** Simplify each expression. Assume non-zero denominators.

1. 
$$\frac{\frac{8x^2+24x}{x^2-9}}{\frac{2x}{15-5x}}$$

$$-20$$

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

$$\frac{5v}{2v-7}$$

3. 
$$\frac{\frac{m}{4} \frac{1}{m}}{\frac{1}{3m} + \frac{1}{6}}$$

$$\frac{3(m-2)}{2}$$

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

$$\frac{-1}{(x+3)^2}$$