

Unit 3 Assignment 6 - Complex Fractions

Date _____ Period _____

Simplify each expression.

$$1) \frac{\frac{u^2}{2}}{\frac{2}{u}}$$

$$2) \frac{\frac{u+1}{16}}{\frac{4}{u^2}}$$

$$3) \frac{\frac{16}{3} + \frac{9}{a}}{\frac{1}{3}}$$

$$4) \frac{\frac{u-3}{25}}{\frac{6}{5} + \frac{u-3}{25}}$$

$$5) \frac{\frac{2}{\frac{1}{2} + \frac{x-4}{2}}}{\frac{1}{2} + \frac{x-4}{2}}$$

$$6) \frac{\frac{1}{4}}{\frac{6}{a} - \frac{1}{12}}$$

$$7) \frac{\frac{4}{x^2} + \frac{1}{4}}{\frac{16}{x^2} - \frac{4}{x}}$$

$$8) \frac{\frac{m}{2} - \frac{m+3}{m^2}}{\frac{2}{m} + \frac{2m+6}{9}}$$