

Skills Worksheet #3
Fractions with Variables

Name: _____

Reduce the following expressions to one term

1. $(x^2) + \left(\frac{1}{2}\right)$

2. $\left(\frac{1}{4x}\right) + \left(\frac{3}{4x^3}\right)$

2. $\left(\frac{x+2}{3}\right)\left(\frac{5}{x}\right)$

3. $\left(\frac{x^2+9}{3}\right)\left(\frac{5}{x^2+9}\right)$

4. $\left(\frac{5x}{6-x}\right) - \left(\frac{1}{6+x}\right)$

5. $-\left(\frac{1}{x^2-25}\right) + \left(\frac{3(x+5)}{10}\right)$

6. $\frac{\left(\frac{x+y+xy}{3}\right)}{\left(\frac{x+y}{2y}\right)}$

6. $\frac{\left(\frac{x^2y^3}{z}\right)}{\left(\frac{x^2y^2}{5+z}\right)}$