

Name: _____

Date: _____ Class: _____

Adding and Subtracting Rational Expressions

Find the sum/difference. Give your answer in simplest form.

1. $\frac{x^2+5x}{x+7} - \frac{14}{x+7}$

2. $\frac{3y^2-19y}{y^2-25} + \frac{y^2-y}{y^2-25}$

3. $\frac{8m^2}{10m^3+60m^2} - \frac{6m^2-12m}{10m^3+60m^2}$

4. $\frac{v^2-4v}{5v^2+9v-2} - \frac{2v+16}{5v^2+9v-2}$

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

6. $\frac{22w+11}{8w^2-6w} - \frac{3}{2w}$

7. $\frac{x}{2x-5} - \frac{4x+15}{4x^2-25}$

8. $\frac{8a-18}{3a^2+14a+8} + \frac{7}{3a+2}$