

## 13.3 Homework - Adding &amp; Subtracting Rational Expressions

Period \_\_\_\_\_

**Simplify each expression.**

1)  $\frac{x+4y}{9x} - \frac{x+3y}{9x}$

2)  $\frac{2x+3y}{6x^2} + \frac{x-6y}{6x^2}$

3)  $\frac{3}{3u^3} + \frac{6u}{4}$

4)  $\frac{6x}{5} - \frac{5}{2y}$

5)  $\frac{4x}{3x} + \frac{6}{6xy^2}$

6)  $\frac{6}{4xy} - \frac{5}{4y^2}$

7)  $\frac{5n}{n+1} + \frac{6n}{2n-5}$

8)  $\frac{5}{b-6} + \frac{3}{b+2}$

9)  $\frac{3}{k-2} - \frac{5}{5k+4}$

10)  $\frac{3}{x+2} + \frac{4x}{x-5}$