

## Adding/Subtracting Rational Expressions Practice

Date \_\_\_\_\_

**Simplify each expression.**

1)  $\frac{a+3b}{20ab^2} - \frac{4b}{20ab^2}$

2)  $\frac{5x-5y}{25y^4} + \frac{5y}{25y^4}$

3)  $\frac{4y}{2x} + \frac{2y}{2x^3}$

4)  $\frac{4y}{2x} + \frac{4x}{3x^2}$

5)  $\frac{6}{2} + \frac{5n}{4m^2}$

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

7)  $\frac{m-3}{3m+5} + \frac{6}{m-5}$

8)  $\frac{3x}{4x^2} - \frac{x+6}{2x+3}$

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

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

$$11) \frac{4n}{2n} + \frac{n-2}{n+3}$$

$$12) \frac{r-2}{r+1} - \frac{2r}{r+3}$$

$$13) \frac{5}{2k} - \frac{6k}{5k+3}$$

$$14) \frac{2}{2k+3} + \frac{6}{k-2}$$

$$15) \frac{2}{3b-12} + \frac{4}{2}$$

$$16) \frac{6n}{5n} - \frac{3n}{n-6}$$