

Name: _____

EXERCISE

Adding and Subtracting Algebraic Fractions

Simplify the following algebraic fractions. Write your answers in lowest terms.

1) $\frac{x}{3} + \frac{y}{3}$

2) $\frac{9}{8x} + \frac{6}{8x}$

3) $\frac{6}{10c} + \frac{9}{10c} - \frac{3}{10c}$

4) $\frac{12a-15}{12a} - \frac{9a-6}{12a}$

5) $\frac{x}{a^2b} + \frac{y}{ab^2}$

6) $\frac{ab}{4} + \frac{ab}{5}$

7) $\frac{7y}{8} + \frac{3y}{10} - \frac{y}{5}$

8) $\frac{2}{y^2} - \frac{3}{y^2} + \frac{7}{y}$

9) $\frac{x+7}{3} + \frac{2x-3}{5}$

10) $\frac{x+y}{8} - \frac{x+y}{10}$
