Name: _____ Date: _____

BLM 7–5

Section 7.2 Extra Practice

Use these steps to add or subtract fractions with unlike denominators.

Example: $\frac{3}{4} - \frac{1}{6}$

Step 1 Find a common denominator.

Multiples of 4 are 4, 8, (12), 16, . . .

Multiples of 6 are 6, (12), 18, . . .

12 is a multiple of 4 and 6, so 12 is a common denominator.

Step 2 Write equivalent fractions using the common denominator.

$$\frac{3}{4} \overset{\times 3}{=} \frac{9}{12} \qquad \frac{1}{6} \overset{\times 2}{=} \frac{2}{12}$$

Step 3 Rewrite the question using the common denominator. Solve.

$$\frac{3}{4} - \frac{1}{6} = \frac{9}{12} - \frac{2}{12}$$
$$= \frac{9-2}{12}$$
$$= \frac{7}{12}$$

1. Add. Write your answer in lowest terms.

a) $\frac{1}{2} + \frac{1}{3}$ **b)** $\frac{3}{5} + \frac{1}{15}$

c) $\frac{1}{6} + \frac{3}{8}$ **d)** $\frac{3}{4} + \frac{1}{5}$

2. Subtract. Write your answer in lowest terms.

a) $\frac{11}{12} - \frac{2}{3}$ **b)** $\frac{5}{8} - \frac{1}{4}$

c) $\frac{2}{3} - \frac{1}{5}$ **d)** $\frac{5}{6} - \frac{2}{9}$