Math 7

NAME:

Date:

5.2 Subtraction of Fractions (5.4 Textbook)

The strategy for subtracting fractions is the same as for addition. This means that we will:

1) List the multiples of each denominator.

2) Find the lowest common denominator.

3) Write each fraction as equivalent fractions.

4) Subtract

Ex. $\frac{3}{5} - \frac{1}{3}$

5: 5, 10, 15, 20, 25...

3: 3, 6, 9, 12, 15... LCD = 15

$\frac{3}{5} \times \frac{3}{3} = \frac{9}{15}$ $\quad \frac{1}{3} \times \frac{5}{5} = \frac{5}{15}$

common denominator

$\frac{9}{15} - \frac{5}{15} = \frac{4}{15}$

Ex. $\frac{5}{4} - \frac{1}{5}$

4: 4, 8, 12, 16, 20...

5: 5, 10, 15, 20...

$\frac{5}{4} \times \frac{5}{5} = \frac{25}{20}$ $\quad \frac{1}{5} \times \frac{4}{4} = \frac{4}{20}$

$\frac{25}{20} - \frac{4}{20} = \boxed{\frac{21}{20}}$

Homework: p. 193 # 1-3 odd, 4, 5 -6 odd, 7-11 Bonus 12