Math 8 Unit 2 – Hand in #2

1. Answer the following in lowest terms:

a) $\frac{3}{5} \times \left(\frac{1}{2} + \frac{2}{9} \right)$

b) $\left(\frac{5}{6} - \frac{2}{5} \right) \div \frac{3}{4}$

c) $\frac{3}{5} \div \frac{5}{6} + \frac{1}{5}$

d) $\frac{1}{4} - \frac{5}{6} \times \frac{1}{6}$

2. Calculate the following in lowest terms:

a) $\left(\frac{2}{3} + \frac{2}{9} \right) \div \frac{5}{8} - \frac{5}{9} \times \left(\frac{5}{6} + \frac{1}{6} \right)$

b) $9^2 + \left(\frac{3}{4} \times \frac{2}{5} \right) \div 3$

3. Chase has only a $\frac{1}{4}$ cup measuring cup. How many times would Chase have to fill his measuring cup to measure $2\frac{1}{2}$ cups of flour?

4. A corner store buys goods at the wholesale price and sells them for $\frac{7}{5}$ of the wholesale price. The wholesale price of a case of 12 cans of stew is $30. For how much does the store sell one can of stew?

5. The advertising space in a hockey team's yearbook is sold in fractions of a page. The advertising space sold in one edition of the yearbook is shown in the table.

a) Calculate the number of pages of advertising sold

Size of Advertisement	Price	Number Sold
$\frac{1}{2}$ page	$110	5
$\frac{1}{4}$ page	$60	7
$\frac{1}{8}$ page	$35	12

b) Calculate the total revenue from advertising.