## Section 5.2  Addition and Subtraction with Decimals

**1.  Rule for Adding and Subtracting Decimals:** To add (or subtract) decimal numbers, we line up the decimal points and add (or subtract) as usual.  The decimal point in the result is written directly below the decimal points in the problem.

Example 1:  Simplify each of the following.

*a.* 3.035+21.9

*b.* 8.4 – 3.71

**2.  Applications:** Use the rule for adding and subtracting decimals along with the proper operation to solve the given problems.

Example 2:  Solve the following applied problem.

A 4-H Club member is raising a lamb to show at the county fair.  If she spent $75 for the lamb, $25.60 for feed, and $35.89 for grooming tools, what was the total cost of the project?

Practice Problems:

Simplify:

a. $-3.21 - 8.7$

b. $-4.5 + 2.04$

Solve the following application problem;

c. A checking account contains $342.38. If checks are written for $25.04, $36.71 and $210, how much money is left in the account?

Answers to Practice Problems:

a. −11.91; b. −2.46; c. $70.63