Math 535 Homework Day 4 Due Friday, July 11 at 9:00 AM

1. **Textbook**: Read Big Idea 3 on pages 27-31

   a. Answer the questions in "Reflect 1.7" on page 27.
   b. Define these terms that are used in the reading:
      i. cardinality
      ii. ordinality
      iii. one-to-one correspondence
      iv. conservation

2. Use the 4-step problem solving process to solve this problem. Use the scoring rubric as a guide. Evaluate your solution on the scoring guide and attach one to your paper.

   **Patricia's Money**
   Patricia has $12 more than Rhoda and $15 more than Sarah. Together all three have $87. How much money does Patricia have?

3. **Skills practice.**

1. Classify these story problems according to unknown and to problem type: join, separate, compare, or part-part-whole.

   a. Luis has 3 birds. Juan gave him 3 more birds. How many birds does Luis have altogether?

   b. Dave has some cameras. Lynn gave him 7 more cameras. Now he has 10 cameras. How many cameras did Dave have to start with?

   c. Hope has 7 yellow dresses and 3 orange dresses. How many dresses does she have?

   d. Eddy has 8 drums. Ann has 3 drums. How many more drums does Eddy have than Ann?

   e. Neil has 15 pop cans. Seven are Coke and the rest are Pepsi. How many Pepsi cans does Neil have?

   f. There are 12 bears in the cage. Some went into the pool. Now there are 8 bears outside the pool. How many went into the pool?

2. Name the property that is used to justify each equation:

   a. $2 + 3(6 – 2) = 2 + 18 – 6$

   b. $76 + 0 = 76$

   c. $(4 + 72) + 54 = 4 + (72 + 54)$

3. Order of operations.

   a. $5 + 3 \times 8 =$

   b. $2(4 - 3)^2 + 6 \times 8 – 5 =$

   c. You are given the numbers 2, 6, 10, 3, 5. You must use them in any order along with any of the operations of +, -, x, / to get a target result of 2. Write the answer in correct order of operations notation.