Math 205 Summer 2010 HW #1 5/25/10

Solve anyway. Be prepared to explain how you solved each.

1. 2 diamond rings and 4 silver rings cost $1,440. A diamond ring and a silver ring cost $660. How much does a silver ring cost?

2. Logan and Izzy had the same number of stickers. After Izzy gave him 72 stickers, Logan had 3 times as many stickers as Izzy. How many stickers did they have altogether?

3. David and Amrita had an equal number of marbles. After Amrita gave 50 marbles to David, he had 5 times as many marbles as her. Find the total number of marbles they had.

4. Soo-Jin and Mary had an equal number of beads. After Soo-Jin gave 54 beads to Mary, Mary had 7 times as many beads as Soo-Jin. How many beads did they have altogether?

5. Antonio and Abby had the same number of paperclips. After Antonio gave 30 paperclips to Abby, Abby had twice as many paperclips as Antonio. How many paperclips did they have in all?

6. Emily and Jasmine had the same number of stamps. After Emily gave 42 stamps to Jasmine, Jasmine had twice as many stamps as Emily. How many stamps did Jasmine have in the end?

7. Elena has 60 colored pencils. Lucy has 26 colored pencils. How many pencils must Elena give to Lucy so that Elena will have 4 more colored pencils than Lucy.

8. Dylan, Michael, and Jeremy had $171. Michael had twice as much money as Dylan, Jeremy had 3 times as much money as Michael. How much money did Jeremy have?

9. Andy and Ben had a total of $60. If Andy gave Ben $8, they would have an equal amount of money. How much money did Ben have in the beginning?

10. Maddy had twice as many stamps as Simon. After Maddy sold 60 stamps, Simon had twice as many stamps as Maddy. How many more stamps did Maddy have than Simon in the beginning?

11. Mrs. Owen ordered 500 chicken wings to be shared equally among 250 guests invited to her wedding anniversary party. However, the turnout was less than expected, and every guest ate one more chicken wing than originally planned. If there were 92 chicken wings left after the party, how many people attended Mrs. Owen's party?

12. The total number of cherries on a plate, in a cup, and in a bowl is 780. The plate contains 145 cherries. The number of cherries in the bowl is 4 times the total number of cherries on the plate and in the cup. How many cherries are in the cup?