

**Algebra I Class Worksheet #1 Unit 3 page 1** \_\_\_\_\_

Solve each of the following problems algebraically (one variable solution). Show your work neatly organized in the space provided.

1. One number is seven more than another. Their sum is 43. What are the numbers?

2. One number is two less than another. Their sum is 68. What are the numbers?

3. One number is five times another. Their sum is 42. What are the numbers?

4. One number is three more than two times another. Their sum is 36. What are the numbers?

5. One number is five less than three times another. Their sum is 23. What are the numbers?

## Algebra I Class Worksheet #1 Unit 3 page 2

Solve each of the following problems algebraically (one variable solution). Show your work neatly organized in the space provided.

6. Nancy won \$25 more than Al. Together, they won a total of \$85. How much did each person win?

7. Jim won \$80 less than Tom. Together, they won a total of \$200. How much did each person win?

8. Tim and Sue received a total of \$70. The amount that Tim received was \$10 more than four times the amount that Sue received. How much did each person receive?

9. Kate and Paul received a total of \$100. The amount that Kate received was \$20 less than two times the amount that Paul received. How much did each person receive?