

**Algebra I 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 three more than another. Their sum is 75. What are the numbers?

2. One number is five less than another. Their sum is 151. What are the numbers?

3. One number is three times another. Their sum is 84. What are the numbers?

4. One number is five times another. Their sum is 84. What are the numbers?

5. One number is seven more than three times another. Their sum is 55. What are the numbers?

## Algebra I 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. One number is nine less than five times another. Their sum is 81. What are the numbers?

7. Bill won \$150 more than Sam. Together, they won a total of \$800. How much did each person win?

8. Ann earned \$320 less than Sue. Together, they earned a total of \$800. How much did each person earn?

9. Tom and Mary received a total of \$930. The amount that Tom received was \$50 more than three times the amount that Mary received. How much did each person receive?

10. Kim and Andy earned a total of \$1000. The amount that Kim earned was \$20 less than five times the amount that Andy earned. How much did each person earn?