General Algebra 2 Worksheet #8 Unit 3 page 1	
Write a system of two equations with two variables and solve each of the follow. Show your complete solution neatly organized .	ing problems.
1. Tom invested a total of \$1200, part at 5% per year and the rest at 9% per year. interest for one year was \$98, then how much was invested at each rate?	If the total
2. Sue invested a total of \$4000, part at 6% per year and the rest at 2.5% per year. interest for one year was \$177, then how much was invested at each rate?	If the total
3. Mary invested a total of \$2000, part at 7% per year and the rest at 3.5% per year interest for the year was \$91, then how much was invested at each rate?	ır. If the total

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Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

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Write a system of **two equations** with **two variables** and solve each of the following problems. Show your **complete** solution **neatly organized**.

Show your complete solution neatly organ	iized.
7. Five hot dogs and four sodas cost \$6.05. much does each item cost?	Two hot dogs and three sodas cost \$3.05. How
8. Four burgers and three orders of fries cos \$2.80. How much does each item cost?	est \$6.20. Two burgers and one order of fries cost
9. Five burgers and three sodas cost a total \$9. How much does each item cost?	of \$5.90. Eight burgers and 4 sodas cost a total of

General Algebra 2 Worksheet #8 Unit 3 page 4

Write a system of two equations with two variables and solve each of the following problems
Show your complete solution neatly organized .

Show your complete solution neatly organized.
10. A collection of 100 ordinary dimes and nickels is worth a total of \$7.95. How many coin of each type are in the collection?
11. Jim and Sue received a total of \$3000. The amount Sue received is \$500 less than three times the amount received by Jim. How much did each person receive?
12. How can coffee worth 70 cents per pound be mixed with coffee worth \$1.20 per pound to produce sixty pounds of coffee worth \$1.05 per pound?