Name _____ Period _____ Date _____

3.3 Inequality Story Problems

For the following Problems please do the following:

a) Define the variable
b) Write the equation
c) Solve the equation
d) Write your answer in a complete sentence
e) Does it make sense? Why or why not?

1. Garan goes to the University of Utah. He has $900 in his saving account. He needs to buy a small laptop computer before next semester. If the laptop costs $600 and he takes $60 from his savings account per week for food, how many times can Garan withdraw money for food?

2. Alisha and Hailey want to rent a limousine for prom. The limo costs $700 for the night and $0.15 per mile. If they have $750 set aside for the limo, how many miles can the limo take them?

3. Parker needs to pass his American History class in college in order to graduate. He needs an overall grade of 85. His history grade is based solely on his scores on 6 exams. On the first 5 exams his scores were 87, 81, 85, 90, 78. What is the lowest score he needs to get to get the credit for American History?

4. Malina and Deja are shopping at American Eagle and they only have $64. Malina finds a t-shirt she loves for $15 and Deja finds a pair of shoes she needs for work for $20. The tank tops are on sale for $5 each. What is the most tank tops they can purchase before they're out of money?

5. Oscar is saving to buy a car; he already has $1,500 in his bank account. His parents deposit $25 a month into the account as his allowance. He just got a job that he will put away $112 per month. The car he wants costs $5439. How many months must he save in to be able to buy the car?

6. Yellow Cab Taxi charges $1.75 flat rate in addition &0.65 per mile. Kali only has $10. How far can she travel?