2.7 Practice   Name _____

Pick a letter for the variable, explain what the variable represents and translate to an inequality.

1. My salary next year will be at least $45,000.   Explain Variable _____

                                                        Inequality   _____

2. A number is greater than −57.35   Explain Variable _____

                                                        Inequality   _____

3. The average speed, s, was between 80 and 120 mph.   Explain Variable _____

                                                        Inequality   _____

4. The price of a baseball glove is at most $36.49.   Explain Variable _____

                                                        Inequality   _____

5. The temperature is at most 84°.   Explain Variable _____

                                                        Inequality   _____

6. The barrel of peaches weighs at least 12 lb.   Explain Variable _____

                                                        Inequality   _____

Pick a letter for the variable, explain what the variable represents,
translate to an inequality and solve the inequality

7. A car rents for $30 per day plus 23¢ per mile. You are on a daily budget of $76. What mileage
will allow you to stay within your budget?

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8. You are taking a math course in which there will be four tests, each worth 100 points. You have scores of 97, 94, and 97 on the first three tests. You must earn a total of 360 points in order to get an A. What scores on the last test will give you an A?

9. Carlos can be paid in one of two ways. Plan A is a salary of $500 per month, plus a commission of 8% of sales. Plan B is a salary of $653 per month, plus a commission of 5% of sales. For what amount of sales is Carlos better off selecting Plan A?

10. Judith is about to invest $27,000, part at 4% and the rest at 8%. What is the most she can invest at 4% and still be guaranteed at least $2000 a year?