Ch 9 Word Problem Worksheet Name: _____

1: Explain the difference between verifying your answer to an equation compared to verifying your answer for an inequality.

2:

Words	Boundary Point(s)	Possible solutions	Mathematical Statement
a) The cost of a new computer is **not more than** $5000			
b) Mrs. Wong is **at most** 40 years old			
c) You **must not exceed** 8 glasses of water a day			
d) Mr. Wong weighs **less than** 1000 pounds			
e) Zachary weighs **more than** 25.75 pounds but **less than** 40 lbs			

3: The ad for a new kid's playground in Coquitlam states that it is perfect for children 10 years or younger. Represent this statement on a number line and algebraically.

4: Justin is planting trees as a summer job and gets paid $0.10 per tree planted. He wants to earn at least $20 per hour. How many trees must he plant per hour to achieve his goal?

5: The local driving range offers two plans for paying for buckets of golf balls. How many buckets of balls used per month make the Member Plan a better deal?

Standard Plan: $6 per bucket

Member Plan: $98 monthly fee plus $1.50 per bucket

6: It costs $3.20 to play at this playground for 30 minutes. How long can a child play for less than $15.00? Model this problem using an inequality and solve it.

7: Desha earns 6% of the sales she makes in commission. If she wants to earn at least 400 dollars per week, what should her weekly sales be?

8: There are 2 amusement parks, "Wonderland" and "FantasyLand". The daily entrance to Wonderland is $34.00 with no additional fee for the rides. At FantasyLand the entrance fee is $8.00 and each ride costs $3.60? For how many rides is FantasyLand a better deal?

9: A bowling alley has two different monthly plans:

#1 $6.00 per game
#2 $50.00 monthly fee, plus $2.00 per game

How many games would you have to play for #2 to be a better deal?