

Your Name: _____

Math 140: Statistics, February 14, 2008
Quiz 3, Chapter 4

1. (9 pts.) For the following data: 2, 4, 5, 6, 8
 - a) What is the *mean*?

 - b) What is the *median*?

 - c) What is the *standard deviation*?

2. (6 pts.) For a basketball league, you are told the average height for a player is 76 inches with a standard deviation of 3 inches.
 - a) What percentage of players would you expect to have a height between 73 and 79 inches?

 - b) What percentage of players would you expect to be over 82 inches tall?

3. (2 pts.) If a histogram has a long right hand tail, which would you expect to be larger, the *mean* or the *median*?

4. (2 pts.) In a history class, the first quiz of the semester had an average score of 80 with an SD of 10. The second quiz had an average score of 84 and an SD of 2. On which quiz would you expect more scores of 90 or better? Why?

Pledged: _____