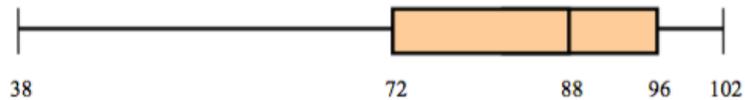Name: _____
Date: _____ Class: _____

Create a box and whisker plot for the following data sets

1. 12, 14, 14, 12, 16, 13, 11, 14, 18

2. 32, 34, 36, 37, 36, 37, 38, 37, 38

Answer the following questions based on the given box and whisker plot

Test Scores (as %) for 9th Period

38   72   88   96   102

3. What was the high score on the test?

4. What percent of the class scored above a 72%?

5. What was the median score on the test?

6. What percent of the class scored between 88% and 96%?

7. What is the IQR (Inner Quartile Range)?

Answer the following questions based on the given box and whisker plot

Average Minutes Per Night Spent On Homework

0   20   48   60   190

8. What percent of students spend more than 60 minutes on homework per night?

9. What percent of students spend between 20 minutes and 60 minutes on homework per night?

10. What is the Q_3 value?

11. What is the range of the data?

12. Mrs. Hagan measured the height, in inches, of all the girls in her PE class. She recorded her results in the following list. Determine if there are any outliers.

63, 60, 67, 62, 58, 63, 68, 59, 62, 65, 56, 63, 59, 62, 58

13. In 1961 Roger Maris made baseball headlines by hitting 61 home runs in a season, breaking the record held by Babe Ruth. Below are Maris's home run totals for each of his 10 seasons. Is his record of 61 an outlier?

8, 13, 14, 16, 23, 26, 28, 33, 39, 61