Name: _____   Date: _____   Class: _____

Measures of Center and Spread Practice

1. Twelve AMDM students at North Cobb High School have watched the following number of hours of television the past week:

10	5	32	4	8	3	5	4	2	1	6	1

   a. Find the mean: _____ b. Find the median: _____

2. The following chart gives the high scores of a popular video game

RSH	1109	DAV	1210
ABC	1038	BRN	930
XYZ	1020	CSR	1180
HYB	1038	SAS	1029
VAC	1006	AAA	936

   a. Find the mean_____

   b. Median _____

   c. Mode_____

3. The following are the number of millions Mr. H's mixtapes sold each month for the past year.

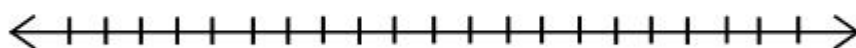| January	10	July	15
February	9	August	9
March	6	September	7
April	3	October	4
May	12	November	5
June	13	December	8

   Find the following statistics and draw a box plot in the provided space.

   a. Minimum: _____ b. Q1: _____ c. Median: _____

   d. Q3: _____   e. Maximum: _____

   f. Range: _____   g. IQR: _____

   h. Boxplot:

4. A group of seven students from Mr. Denison's 1st block class was randomly selected and asked to indicate the number of study hours each put in before taking a major exam. The data are as follows:

Mean _____

Median _____

Mode _____

Range _____

Student	Hours of Study
1	4
2	3
3	3
4	5
5	1
6	1
7	2

5. A group of seven students from Mr. H's 3rd block class was randomly selected and asked to indicate the number of study hours each put in before taking a major exam. The data are as follows:

Mean _____

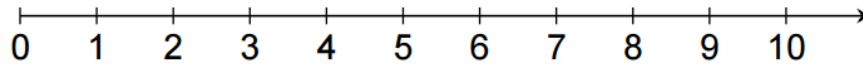Median _____

Mode _____

Range _____

Student	Hours of Study
1	2
2	0
3	1
4	3
5	1
6	3
7	4

6. Make a comparative box and whisker plot for the 2 classes.

7. According to the box and whisker plot comparison, which class studies harder?

8. Find the standard deviation of the both classes.

Test scores for Denison	$x - \overline{x}$	$\left(x - \overline{x}\right)^2$
4		
3		
3		
5		
1		
1		
2		
Standard Deviation:		

Test scores for Hybart	$x - \overline{x}$	$\left(x - \overline{x}\right)^2$
2		
0		
1		
3		
1		
3		
4		
Standard Deviation:		

9. According to the box and whisker plot comparison, which class studies harder?