Algebra 1   Name:_____
HW #1 Statistics Worksheet
I. Make a frequency distribution, histogram, and stem and leaf plot for each set of data. Describe the shape of the data from the histogram.

1) Number of points scored by a basketball player during each game in a season:

18	8	22	14	3	0	14	31	29
9	33	28	19	13	6	10	20	7

2) Scores of 40 students on an exam:

85	100	90	82	76	64	55	70	86	93	79	80	62	43
91	83	75	94	87	67	76	45	98	84	85	71	78	78
88	63	57	100	97	81	73	71	84	87	92	95		

Algebra 1   Name:_____
HW #1 Statistics Worksheet
II. Measures of Central Tendency

3)
A. Find the mean, median and mode of UGA's final scores in each game.
B. Find the mean, median and mode of the opposing team's scores.

UGA Football 2010 season:

Opponent:	Result:
Louisiana-Lafayette	Won 55-7
South Carolina	Lost 17-6
Arkansas	Lost 31-24
Mississippi State	Lost 24-12
Colorado	Lost 29-27
Tennessee	Won 41-14
Vanderbilt	Won 43-0
Kentucky	Won 44-31
Florida	Lost 34-31
Idaho State	Won 55-7
Auburn	Lost 49-31
Georgia Tech	Won 42-34
UCF	Lost 10-6

UGA

Mean:_____ Mode:_____Median:_____

Opponents

Mean:_____ Mode:_____Median:_____

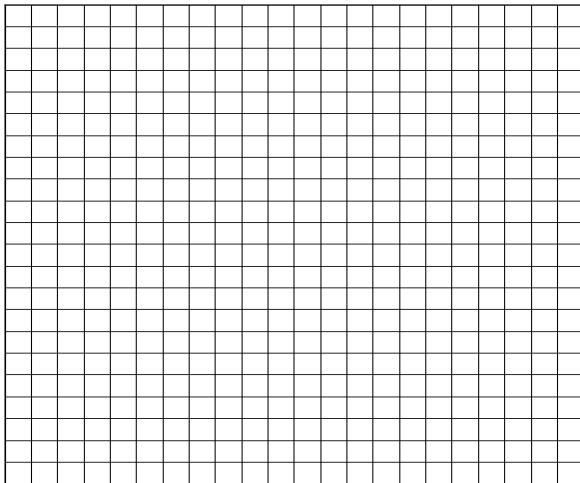Algebra 1   Name:_____

HW #1 Statistics Worksheet

4) Use the frequency distribution to draw a histogram and stem and leaf plot.

Intervals for number of home runs	Number of players that scored home runs in the given interval
0-4 homeruns	
5-9 homeruns	
10-14	
15-19	
20-25	

Braves Statistics

NAME	GAMES	AT BATS	HR
Uggla, D	161	600	36
Freeman, F	157	571	21
Gonzalez, A	149	564	15
Prado, M	129	551	13
McCann, B	128	466	24
Jones, C	126	455	18
Heyward, J	128	396	14
McLouth, N	81	267	4
Hinske, E	117	236	10
Bourn, M	53	227	1
Schafer, J	52	196	1
Ross, D	52	152	6
Constanza, J	42	109	2
Conrad, B	92	103	4
Mather, J	36	75	1
Hudson, T	32	69	1
Lowe, D	32	52	1
Young, M	20	48	0
Jurrjens, J	23	47	0

Stem and Leaf Plot:

Key: