

**Probability/Statistics**  
**Worksheet 2.1-2.2 B**

Name \_\_\_\_\_

**For the following data, find each.**

44    57    95    75    63    89    71    80    85    72    92    84    76    68

1. Find the mean
2. Find the median
3. Find the mode
4. Find the range
5. Find the trimmed mean

6. Complete the chart

X	$X - \bar{X}$	$(X - \bar{X})^2$
44		
57		
95		
75		
63		
89		
71		
80		
85		
72		
92		
84		
76		
68		

7. Find the sample standard Deviation
8. Find the Variance
9. Find the Coefficient of Variation
10. Use Chebyshev's Theorem to find the interval for 75% of the data.
11. Use Chebyshev's Theorem to find the interval for 88.9% of the data.
12. Use Chebyshev's Theorem to find the interval for 93.8% of the data.

**For the following data, find each.**

114 124 136 108 141 118 124 133 145 152 125

13. Find the mean

14. Find the median

15. Find the mode

16. Find the range

17. Find the trimmed mean

18. Complete the chart

X	$X - \bar{X}$	$(X - \bar{X})^2$
114		
124		
136		
108		
141		
118		
124		
133		
145		
152		
125		

19. Find the sample standard Deviation

20. Find the Variance

21. Find the Coefficient of Variation

22. Use Chebyshev's Theorem to find the interval for 75% of the data.

23. Use Chebyshev's Theorem to find the interval for 88.9% of the data.

24. Use Chebyshev's Theorem to find the interval for 93.8% of the data.