

Probability/Statistics
Worksheet 2.1-2.2 A

Name _____

For the following data, find each.

20 28 16 34 25 32 24 38 34 27

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	$X - \bar{X}$	$(X - \bar{X})^2$
20		
28		
16		
34		
25		
32		
24		
38		
34		
27		

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.

45 67 75 51 53 70 60 58 64 55 59

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	$X - \bar{X}$	$(X - \bar{X})^2$
45		
67		
75		
51		
53		
70		
60		
58		
64		
55		
59		

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.