Section		
Section		

	Section	<b>Section</b>			
	n of the following variables are quantitative and which are qualitative itative variables as discrete or continuous.	? Classify the			
(a)	The temperature of the water				
<b>(b)</b>	The tally marks on a frequency table				
(c)	The time to finish this test				
( <b>d</b> )	Political affiliation				
(e)	Ranking in class				
	ach of the following, determine which of the four levels of measust appropriate. (Nominal, Ordinal, Interval or Ratio)	rement			
(a)	The make of cars in the parking lot of the Mall.				
<b>(b)</b>	The average temperature of the 10 cities				
(c)	The distances driven by cars in a test of fuel consumption.				
( <b>d</b> )	Rating of "Good", "Better" and "Best"				
	fy the type of sampling used in each case. lom, Cluster, Stratified, Systematic, or Convenience)				
(a)	A pollster selects drivers who are waiting to have their cars repaired at a local Sears Auto store.				
<b>(b)</b>	A pollster selects every 50th name in a telephone book.				
(c)	A pollster selects 100 men and 100 women.				
( <b>d</b> )	A pollster selects 50 people from each of 40 countries.				
(e)	A pollster writes the names of each voter on a card, shuffles the cards, then draws 25 names.				

4.	Distingui	ish between a	statistic and a p	oarameter. Al	so, relate the	em to populations and sample spa	aces.
5.	Use the g	given sample (	lata to find each	n of the listed v	values.		
		62 52 52	52 64 69 69	76			
	(a)	Mean		_ (b)	Median		
	(c)	Mode		_ (d)	Midrange	·	
	(e)	Range		_ ( <b>f</b> )	Variance		
	<b>(g)</b>	Std. Dev.		_ (h)	$Q_1$		
	<b>(i)</b>	D <sub>2</sub>		_ ( <b>j</b> )	P <sub>88</sub>		
	(k)	IQR _		_ (1)	$64 = P_k$		
6.		ruct a Box & in problem 5.		(a five value g	raph) that co	orresponds to the data	
	Descri	ibe the shape	of the Data:		b) c) d)	Uniform Normal (Bell Shaped) Skewed to the Right Skewed to the Left None of the above	

7. Use the frequency table below to find the following values:

(a)	Mean	
()		

X	f
31 - 40	3
41 - 50	2
51 - 60	4
61 - 70	5
71 - 80	12
81 - 90	8
91 - 100	4

8. Referring to the frequency table given in problem 7, answer the following questions.

- (a) What is the lower class limit for the first class? (a)
- (b) What is the class mark of the first class? (b)
- (c) What is the lower class boundary of the first class? (c)
- (d) What is the sample size n? (d)
- (e) What is the class width? (e) \_\_\_\_\_

9.	Construct a Histogram that corresponds to the frequency table given in problem 7.	
10.	Construct the cumulative frequency table and ogive that correspond to the frequency table given in problem 7.	