Name:_____

Ch 2.1-2.3 Worksheet

1. Identify the class width.

Height in (inches)	frequency
50-52	5
53-55	8
56-58	12
59-61	13
62-64	11

2. Find the class boundaries, midpoints, relative and cumulative frequencies.

Height in (inches)	frequency	class boundaries	midpoint	relative	cumulative
50-52	5				
53-55	8				
56-58	12				
59-61	13				
62-64	11				

3. Create a frequency histogram for the following daily withdrawal amounts from an ATM.

72 84 61 76 104 76 86 92 80 88 98 76 97 82 84
67 70 81 82 89 74 73 86 81 85 78 82 80 91 83

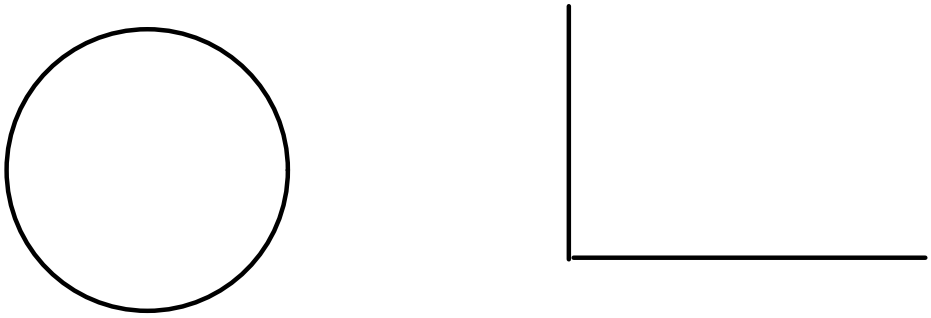
Class	tally	frequency
1		
2		
3		
4		
5		
6		
7		
8		

4. Create a stem and leaf plot for the following set of data.
Number of home runs that Mark McGwire hit in the first 13 years of his major league baseball career. 3 49 32 33 39 22 42 9 9 39 52 58 70

5. Find the central angle and the percents for each category.

Motor vehicle occupants killed in 2015:		angle	percent
Cars	20,818		
Trucks	12,001		
Motorcycles	2,472		
Other	515		

6. Sketch a pie graph and a pareto chart from the data in question 5.



7. Do you think a pareto or pie chart best describes your data from question 5 and 6.

8. Create a relative frequency polygon for the data.

Phone calls (per day)	Frequency	relative frequency
8-11	18	
12-15	23	
16-19	38	
20-23	47	
24-27	32	

9. Give 3 example for quantitative and qualitative data sets.

Quantitative	Qualitative:
1.	1.
2.	2.
3.	3.