

Honors Finite/MAT217 9.2.-9.3
Organizing/Display Data Worksheet

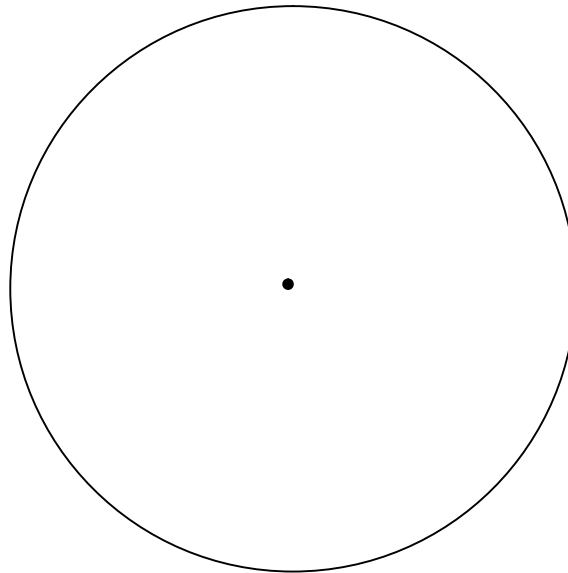
Name _____

The following data show how office workers in Chicago get to work:

Means of Transportation	Percentage
Ride alone	64
Carpool	5
Ride bus	30
Other	1

Construct a pie chart and a bar graph,
and compare them to see which one seems more informative to you.
Label everything!!

Pie Chart



Bar Graph

Organization of Data

For problems 1 – 5, the following data represent the number of car accidents per month in a small town over a two-year period.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Yr 1	169	163	170	165	165	169	168	172	170	172	171	165
Yr 2	170	168	177	164	173	166	173	176	177	172	170	172

1. Construct a **frequency table** based on the class intervals 163 –165, 166 – 168, 169 – 171, 172 – 174, 175 – 177.
2. Use the frequency table based on the class intervals 163 –165, 166 – 168, 169 – 171, 172 – 174, 175 – 177 to construct a **histogram** for the data.
3. Draw the **frequency polygon** for the data from the frequency table based on the class intervals 163 –165, 166 – 168, 169 – 171, 172 – 174, 175 – 177.
4. Find the **cumulative (less than) frequencies** for the data frequency table based on the class intervals 163 –165, 166 – 168, 169 – 171, 172 – 174, 175 – 177.
5. Draw a **cumulative (less than) frequency distribution graph (ogive)** for the data frequency table based on the class intervals 163 –165, 166 – 168, 169 – 171, 172 – 174, 175 – 177

You may use one table for #1 and #4
You may do #2 and #3 on the same drawing (figure)