Finite Math  
section 8.1  Frequency Distributions  
Terms: Frequency Table, Categories, Relative Frequency, Histogram, Pie Chart, Central Angle of Pie Chart.

Ex1,  Data set of speeds of cars on Pearl Street. 
22  42  15  20  12  
30  10  25  33  22  
41  31  24  27  28  
9   19  18  35  29  

(a) Choose categories and make a frequency and relative frequency table.  
(b) Make a histogram.  
(c) Make a pie chart  
(d) On the pie chart, find the central angle of the category of 10.0-19.9 mi/hr.  
(e) On the pie chart, find the category whose central angle is 72 degrees.

Ex2,  Ben's monthly budget: $3000  
rent: $780  
computer $900  
food $670  
car $150  
misc $500  

(a) Histogram  
(b) Pie Chart  
(c) Find the central angle of the category "rent" on the above pie chart.  
(d) Find the budget for the category "car" if the central angle for the category in the pie chart is 18 degrees.