For each problem, write a sentence to decribe your interpretation of the data.

1) Barrel of Oil: Use a Pareto chart to display the data. The data represent how a 42-gallon barrel of crude oil is distributed. *(Adapted from American Petroleum Institute)*

Gasoline	43%
Kerosene-type jet fuel	9%
Distillate fuel oil (home heating, diesel fuel, etc.)	24%
Coke	5%
Residual fuel oil (industry, marine transportation, etc.)	4%
Liquefied refinery gases	3%
Other	12%

2) NASA Budget: Use a pie chart to display the data. The data represent the 2010 NASA budget request (in millions of dollars) divided among five categories. (Source: NASA)

Science, aeronautics, exploration	8947
Space operations	6176
Education	126
Cross-agency support	3401
Inspector general	36

3) A study was conducted to determine how people get jobs. Four hundred subjects were randomly selected and the results are listed below.

Job Sources of Survey Respondents	Frequency
Newspaper want ads	69
Online services	124
Executive search firms	72
Mailings	32
Networking	103

Construct a pie chart of the data.

For each problem, write a sentence to decribe your interpretation of the data.

4) A study was conducted to determine how people get jobs. Four hundred subjects were randomly selected and the results are listed below.

Job Sources of Survey Respondents	Frequency
Newspaper want ads	72
Online services	124
Executive search firms	69
Mailings	32
Networking	103

Construct a Pareto chart of the data.

5) The heights (in inches) of 30 adult males are listed below. Construct a Pareto chart for the data.

70	72	71	70	69	73	69	68	70	71
67	71	70	74	69	68	71	71	71	72
69	71	68	67	73	74	70	71	69	68