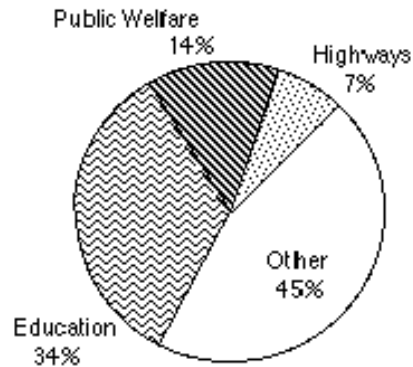Name _____ Block _____ Date _____

<u>READING CIRCLE GRAPHS</u>

Based on the circle graph shown below, answer the following questions.
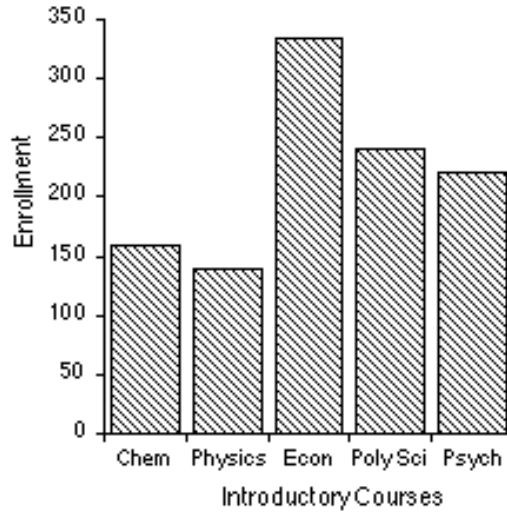
Expenditures for State and
Local Governments

1. What type of information is being presented on this graph?

2. If the total spending is $50,000, how much money was spent on highways? Show the work on how you calculated this.

3. If the total expenditure is $50,000, how much money was spent on highways and public welfare combined?

4. a. Which category does the Government spend the most?

   b. What about the circle graph helps you know this?

5. What if you wanted to know the ages of the state and local government officials, would this circle graph help you? Why or why not?

Name _____ Block _____ Date _____

READING BAR GRAPHS

Based on the bar graph shown below, answer the following questions.

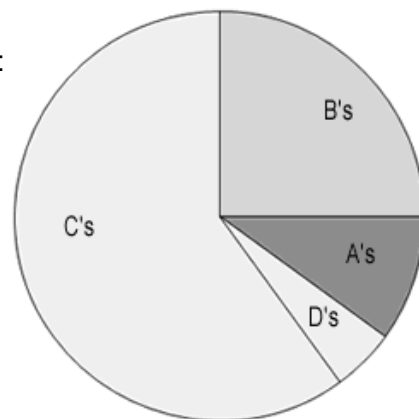**Enrollment in Introductory Courses at Union University**

1. What does this bar graph show?

2. Which course has the most students enrolled in it?

3. Order the courses by enrollment from lowest to highest. Include the
   <u>approximate</u> number of students enrolled in each course.

   Lowest (1) = _____   # enrolled = _____

             (2) = _____   # enrolled = _____

             (3) = _____   # enrolled = _____

             (4) = _____   # enrolled = _____

   Highest (5) = _____   # enrolled = _____

4. Approximately how many more students are in Econ than in Physics?
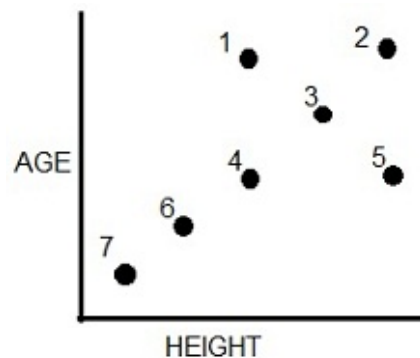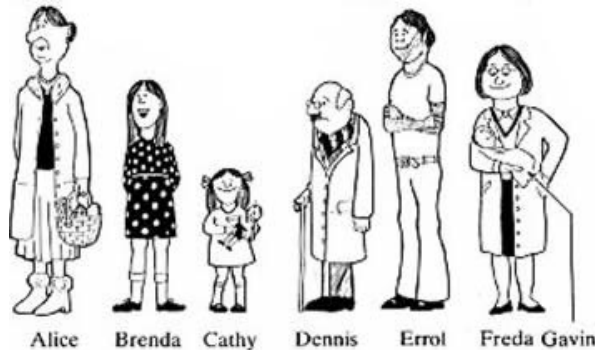
Interpreting Graphs

1. Mr. M's class grades were graphed as a pie graph. Based on this graph:

a) The largest percentage of students received what grade? _____

b)   The smallest percentage of students received what grade? _____

c)   Estimate what percentage of the class received a B. _____

d) Based on the graph, do you think Mr. M's class is difficult?
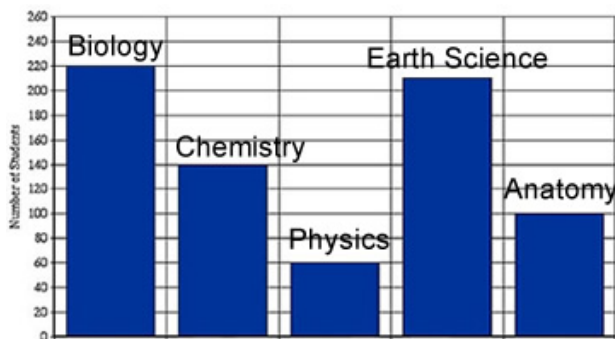
    Why or why not?

2. The scatter plot shows a bus stop where those waiting at the bus are plotted by their height and by their age. Identify which dot goes with which passenger.

1) _____

2) _____

3) _____

4) _____

5) _____

6) _____

7) _____

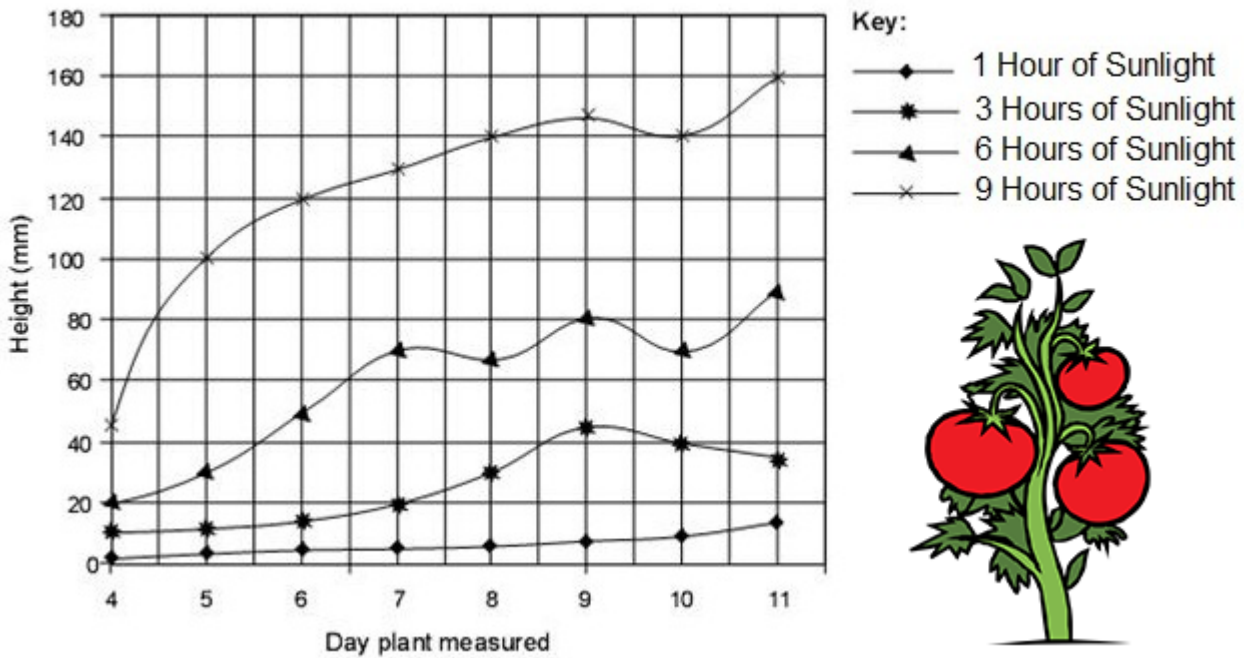Alice   Brenda   Cathy   Dennis   Errol   Freda   Gavin

AGE

HEIGHT

3. The bar graph compares the number of students enrolled in classes.

a) What class has the highest enrollment _____

b) How many students are enrolled in Chemistry? _____   Anatomy? _____

c) Which course is the least popular? _____

d. A new course is added; earth science has 160 students enrolled. Add this bar to the graph.

4. This line graph compares the growth of plants that were kept in the sun for different amounts of time.

Key:
——◆—— 1 Hour of Sunlight
——✳—— 3 Hours of Sunlight
——▲—— 6 Hours of Sunlight
——✕—— 9 Hours of Sunlight

a) On Day 7, the plants kept in the sun for 3 hours were how tall? _____

b) On Day 7, the plants kept in the sun for 6 hours were how tall? _____

c) On Day 10, the plants kept in the sun for 9 hours were how tall? _____

d) On Day 10, the plants kept in the sun for 6 hours were how tall? _____

e) Based on the graph, the plant grows best in what amount of sunlight? _____

5. The line graph shows the number of worms collected and their lengths.

a) What length of worm is most common? _____

b) What was the longest worm found? _____

c) How many worms were 6 cm long? _____

d) How many worms were 7.25 cm long? _____

e) The peak of the curve represents the
   [longest worms / average worms]