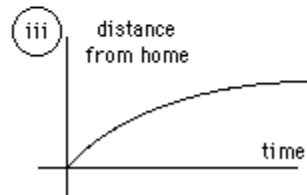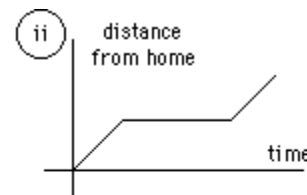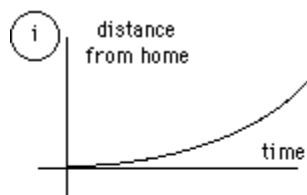1. Identify the graph that matches each of the following stories:

   a. I had just left home when I realized I had forgotten my books so I went back to pick them up. IV
   b. Things went fine until I had a flat tire. II
   c. I started out calmly, but sped up when I realized I was going to be late. I
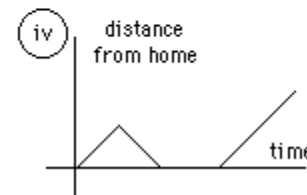
2. The graph at the right represents the typical day of a teenager. Answer these questions:

   a. What percent of the day is spent watching TV? 13%
   b. How many hours are spent sleeping? 7.92
   c. What activity takes up the least amount of time? STUDYING
   d. What activity takes up a quarter of the day? GOING TO SCHOOL
   e. What two activities take up 50% of the day? SLEEPING AND TALKING ON THE TELEPHONE
   f. What two activities take up 25% of the day? EATING AND TALKING ON THE TELEPHONE
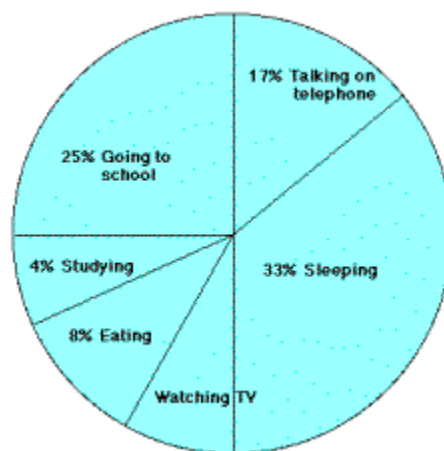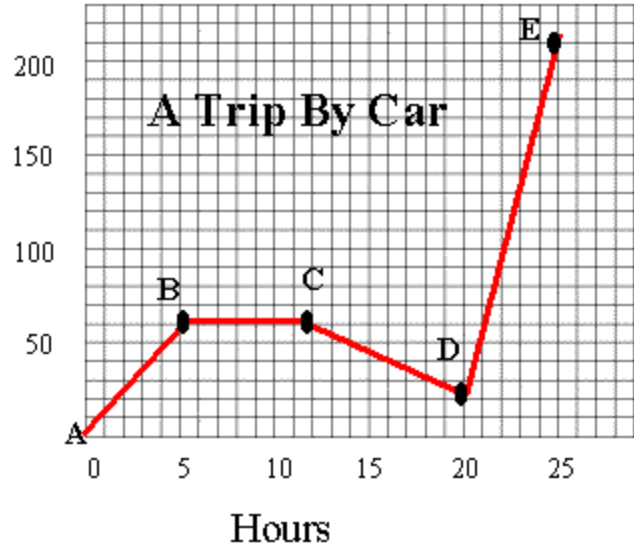
3. Answer these questions about the graph below:
   a. How many sets of data are represented? TWO
   b. On approximately what calendar date does the graph begin? APRIL 15TH
   c. In what month does the graph reach its highest point? JULY
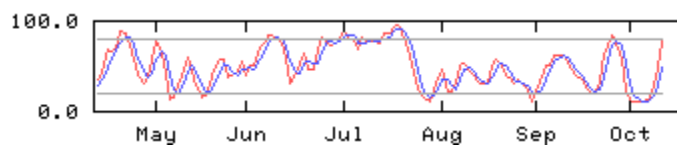
4. Answer these questions about the graph on the right:
   a. How many total miles did the car travel? 200
   b. What was the average speed of the car for the trip? 8MPH
   c. Describe the motion of the car between hours 5 and 12? IT LEVELS OUT AND THEN GOES BACKWARD
   d. What direction is represented by line CD? BACKWARD
   e. How many miles were traveled in the first two hours of the trip? ABOUT 20
   f. Which line represents the fastest speed? DE

5. Answer these questions about the graph at the right:
   a. What is the dependent variable on this graph? QUANTITY DEMANDED
   b. Does the price per bushel always increase with demand? NO
   c. What is the demand when the price is 5$ per bushel? 10
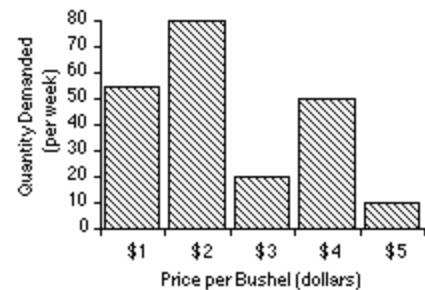
6. The bar graph at right represents the declared majors of freshman enrolling at a university. Answer the following questions:
   a. What is the total freshman enrollment of the college? 1120
   b. What percent of the students are majoring in physics? 12%
   c. How many students are majoring in economics? 350
   d. How many more students major in poly sci than in psych? 20
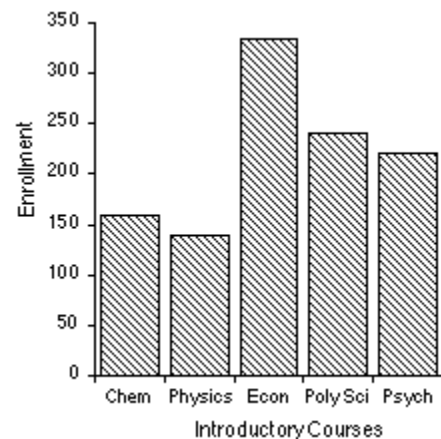
7. This graph represents the number of A's earned in a particular college algebra class. Answer the following questions:
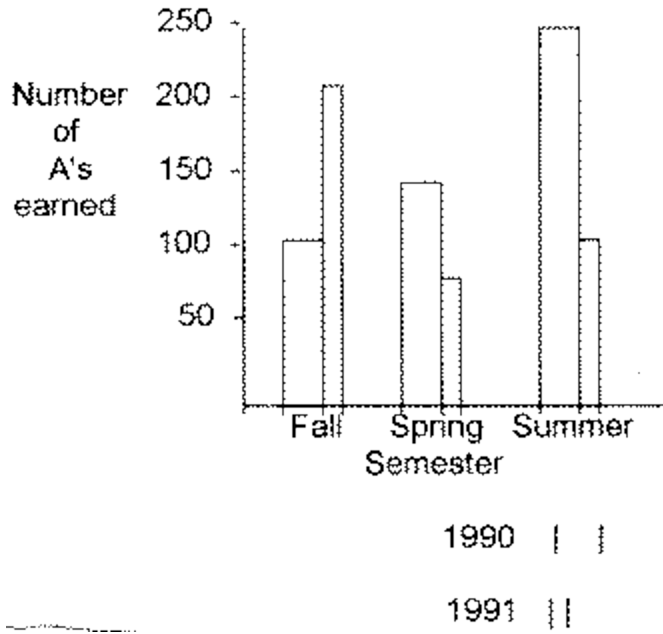
   a. How many A's were earned during the fall and spring of 1990? 250
   b. How many more A's were earned in the fall of 1991 than in the spring of 1991? 130
   c. In which year were the most A's earned? 1990
   d. In which semester were the most A's earned? SUMMER
   e. In which semester and year were the fewest A's earned? SPRING 1991

1990 | |

1991 | |

8. Answer these questions about the graph at the right:
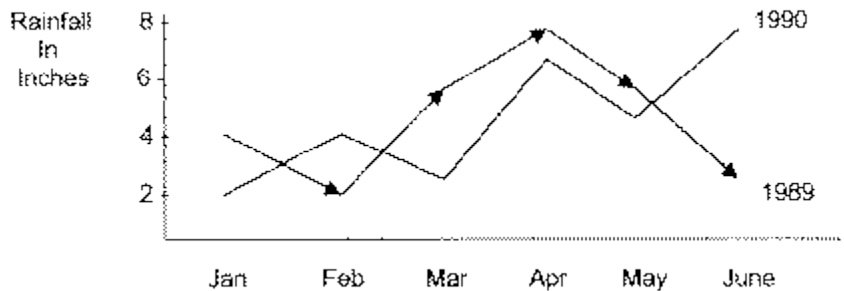
   a. How much rain fell in Mar of 1989? 6 IN
   b. How much more rain fell in Feb of 1990 than in Feb of 1989? 2 IN
   c. Which year had the most rainfall? EQUAL
   d. What is the wettest month on the graph? APRIL

9. Answer these questions about the data table:

   a. What is the independent variable on this table? ATOMIC NUMBER
   b. What is the dependent variable on this table? IONIZATION ENERGY
   c. How many elements are represented on the table? 5
   d. Which element has the highest ionization energy? 2
   e. Describe the shape of the line graph that this data would produce? HIGH, LOW, HIGH, HIGHER, HIGHER

Atomic Number	Ionization Energy (volts)
2	24.46
4	9.28
6	11.22
8	13.55
10	21.47

Taken from http://staff.tuhsd.k12.az.us/gfoster/standard/bgraph2.htm