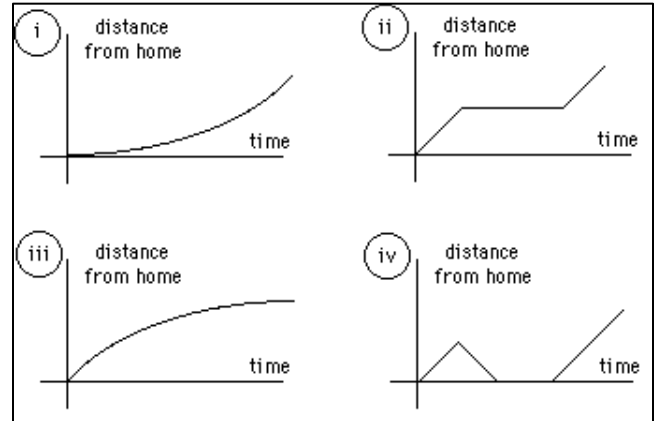


Name: _____

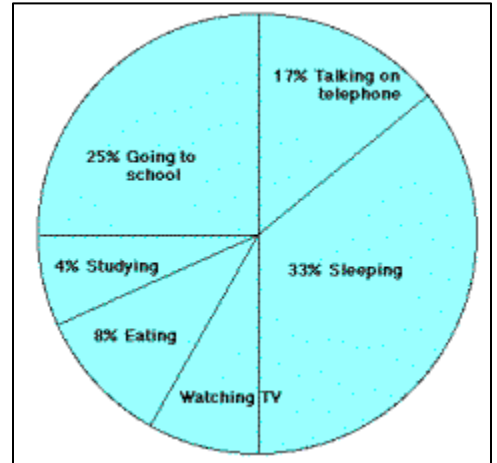
Period: ____ Date: _____

HOMEWORK: Interpreting Graphs

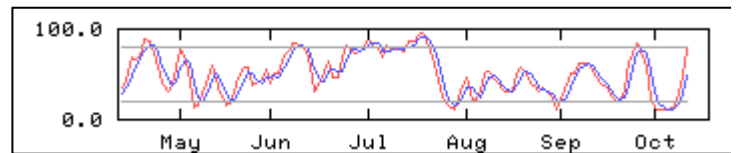
1. Identify the graph that matches each of the following stories:
- I had just left home when I realized I had forgotten my books so I went back to pick them up.
 - Things went fine until I had a flat tire.
 - I started out calmly, but sped up when I realized I was going to be late.



2. The graph at the right represents the typical day of a teenager. Answer these questions:
- What percent of the day is spent watching TV?
 - How many hours are spent sleeping?
 - What activity takes up the least amount of time?
 - What activity takes up a quarter of the day?
 - What two activities take up 50% of the day?
 - What two activities take up 25% of the day?

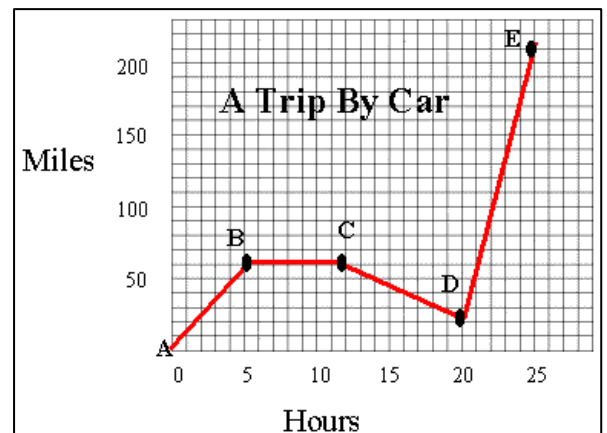


3. Answer these questions about the graph at the right:
- How many sets of data are represented?
 - On approximately what calendar date does the graph begin?
 - In what month does the graph reach its highest point?



Answer these questions about the graph on the right:

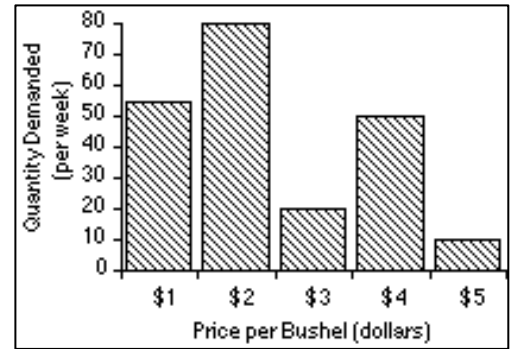
- How many total miles did the car travel?
- What was the average speed of the car for the trip?
- Describe the motion of the car between hours 5 and 12?
- What direction is represented by line CD?
- How many miles were traveled in the first two hours of the trip?
- Which line represents the fastest speed?



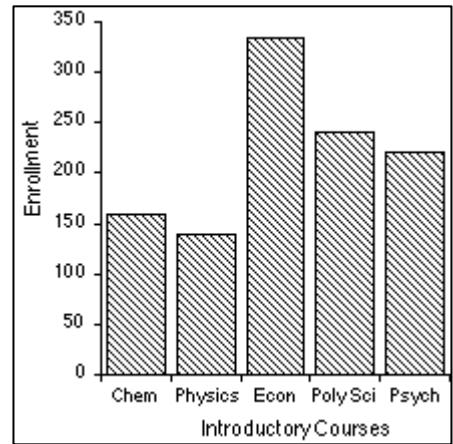
Name: _____

Period: ____ Date: _____

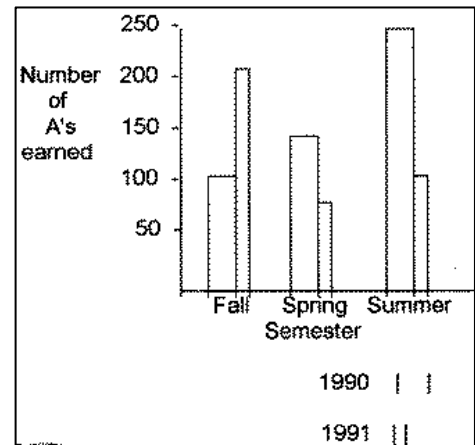
4. Answer these questions about the graph at the right:
- What is the dependent variable on this graph?
 - Does the price per bushel always increase with demand?
 - What is the demand when the price is 5\$ per bushel?



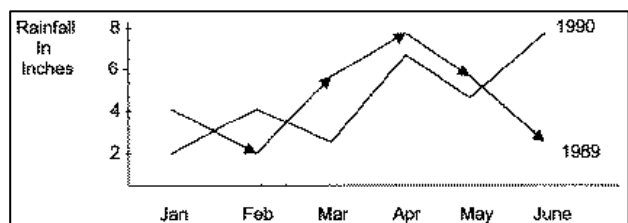
5. The bar graph at right represents the declared majors of freshman enrolling at a university. Answer the following questions:
- What is the total freshman enrollment of the college?
 - What percent of the students are majoring in physics?
 - How many students are majoring in economics?
 - How many more students major in poly sci than in psych?



6. This graph represents the number of A's earned in a particular college algebra class. Answer the following questions:
- How many A's were earned during the fall and spring of 1990?
 - How many more A's were earned in the fall of 1991 than in the spring of 1991?
 - In which year were the most A's earned?
 - In which semester were the most A's earned?
 - In which semester and year were the fewest A's earned?



7. Answer these questions about the graph at the right:
- How much rain fell in Mar of 1989?
 - How much more rain fell in Feb of 1990 than in Feb of 1989?
 - Which year had the most rainfall?
 - What is the wettest month on the graph?



Name: _____

Period: ____ Date: _____

9. Answer these questions about the data table:

- What is the independent variable on this table?
- What is the dependent variable on this table?
- How many elements are represented on the table?
- Which element has the highest ionization energy?
- Describe the shape of the line graph that this data would produce?

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

10. Answer the following using the data table:

- How many planets are represented?
- How many moons are represented?
- Which moon has the largest mass?
- Which planet has a radius closest to that of Earth?
- How many moons are larger than the planet Pluto?
- Which of Jupiter's moons orbits closest to the planet?
- Which planet is closest to Earth?

Name	Orbits	Distance (000 km)	Radius (km)	Mass (kg)
Sun		697000		1.99×10^{30}
Jupiter	Sun	778000	71492	1.90×10^{27}
Saturn	Sun	1429000	60268	5.69×10^{26}
Uranus	Sun	2870990	25559	8.69×10^{25}
Neptune	Sun	4504300	24764	1.02×10^{26}
Earth	Sun	149600	6378	5.98×10^{24}
Venus	Sun	108200	6052	4.87×10^{24}
Mars	Sun	227940	3398	6.42×10^{23}
Ganymede	Jupiter	1070	2631	1.48×10^{23}
Titan	Saturn	1222	2575	1.35×10^{23}
Mercury	Sun	57910	2439	3.30×10^{23}
Callisto	Jupiter	1883	2400	1.08×10^{23}
Io	Jupiter	422	1815	8.93×10^{22}

Name: _____

Period: ____ Date: _____

Moon	Earth	384	1738	7.35×10^{22}
Europa	Jupiter	671	1569	4.80×10^{22}
Triton	Neptune	355	1353	2.14×10^{22}
Pluto	Sun	5913520	1160	1.32×10^{22}