Student Name a Date a

**Graphing Quiz**

A pediatrician wants to track the height and weight of one of her patients from birth to 6 months old, to make sure he is gaining a healthy amount of weight. His measurements are taken at birth, and once per month after that. After the final measurement the doctor asks her nurse to graph the data:

**6 months**

**5 months**

**3 months**

**4 months**

**2 months**

**1 month**

**Birth**

Now answer the following questions:

1. At what age was the patient exactly 22 inches tall?
2. At this same age, how much did he weigh?
3. Between what two ages did the patient have the greatest increase in ***height?***
4. Between what two ages did he have the greatest increase in ***weight?***

All of the doctors in a certain town send their patients to the laboratory at the hospital when they need to have blood tests done. The lab is interested in figuring out how many tests are run within each testing department on outpatients each day. They counted the number of tests done in each department for 1 week and averaged the results:

Now answer the following questions:

1. On average, how many tests are run in the Chemistry department each day?
2. Which department runs an average of 27 tests each day?
3. Which department usually runs the least amount of tests, *and* how many do they run?
4. How many tests must be sent out to the reference lab on an average day?

A hospital tracks the total number of patients seen per day. But now they want to see how many visit each particular clinic. They record the number of patients that visit each clinic for 1 month and average the results. Finally, out of all patients that come to the hospital, they use the data to create a pie graph showing the percent of patients that visit each clinic:

Now answer the following questions:

1. About what percent of the hospital’s daily patients visit the family medicine clinic?
2. Which clinic sees the ***second largest*** percentageof patients each day?
3. Which two clinics receive about the same number of patients each day?