

### **Math 13 Chapter 1 Overview Problems.**

- 1) A man runs a 100 meter race in 11.1 seconds.
  - a) Is the 100 meter considered discrete or continuous data?
  
  - b) Name the level of measurement for the 11.1 seconds.
  
- 2) A large group of people are divided into distinct groups by their hair color. Next 15 people are chosen from each group. Name the method of sampling used.
  
- 3) On a standardized test for all 10th graders in the US, one of the math questions starts by saying, "The local police have asked for you help to solve a crime." Name one problem with this.
  
- 4) What is wrong with allowing people to select themselves to be part of study?
  
- 5) Suppose that a study said 6.0% of 105 people admitted to shoplifting. What is wrong with this situation?
  
- 6) Consider the following questions on a survey:
  - "Too little money is being spent on welfare."
  - "Too little money is being spent on helping the poor."Which statement would get more support, if asked in the US?