1. (2 pts.) What is a variable?

2. (2 pts.) Fill in the following chart showing the kinds of variable:

   variables
   \/
   \______________
   \    \    \    quantitative
   \    \    \    
   \______________

3. (3 pts.) A psychologist seeks to determine if lack of sleep slows thinking. She conducts tests on two groups of subjects. One group sleeps 8 hours the night before the test, the other group sleeps 4 hours. Otherwise, the groups are similar. The test consists of a puzzle, and the psychologist times how long it takes different subjects to solve it. What variables are important in this experiment? How are they measured? Be as specific as possible.

4. (3 pts.) In a certain town, police need to fill out incident reports. The incident report includes a check list as follows:

   Part I: Check all that apply.
   - There were injuries to persons.
   - There was damage to property.
   - There was evidence of a crime.

   Viewing “response on Part I” as a variable, what are the possible values?

Source: The text of this quiz is original. —JJM