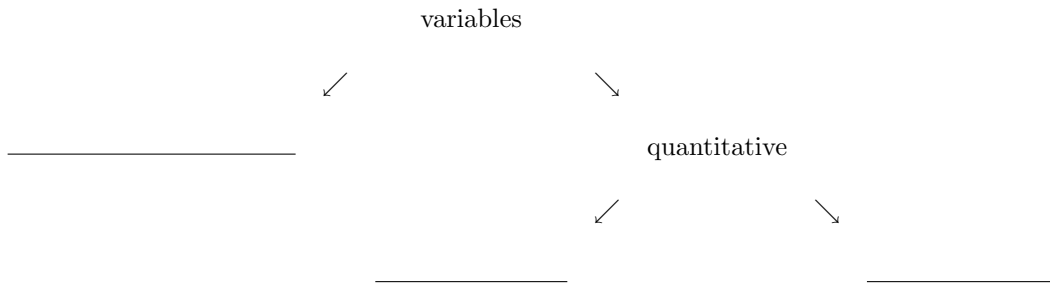


1. (2 pts.) What is a variable?

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



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?