

## STAT 251 Statistical Inference for Management I Winter 2012

### Quiz 1

Taken on Wed Jan 4. You may work with a group of as many as 3 students, submitting one quiz with all names, provided that you all contribute to the work. You may use your notes.

For questions 1-3, suppose that I want to investigate whether the color of paper on which an exam is printed has an effect on students' exam scores.

1. Identify the cases (observational units) in this study.
2. Identify one of the variables in this study, and classify it as quantitative or categorical.
3. Identify the other variable in this study, and classify it as quantitative or categorical.

For questions 4-5, consider the 21 purchases that I made on amazon.com in 2011 as the cases in a study.

4. Identify one *categorical* variable that could be recorded on these cases.
5. Identify one *quantitative* variable that could be recorded on these cases.