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 the explanatory variable in this study, and classify it as quantitative or categorical.

3. Identify the response variable in this study, and classify it as quantitative or categorical.

For questions 4-5, consider the purchases that I made on amazon.com in 2014 as the observational units in a study.

4. Identify one categorical variable that could be recorded on these observational units.

5. Identify one quantitative variable that could be recorded on these observational units.