

- b. Do college students learn basic accounting better in a classroom or using an online course?
- c. How long do your teachers wait on average after they ask the class a question?
5. Students in a high school mathematics class decided that their term project would be a study of the strictness of the parents or guardians of students in the school. Their goal was to estimate the proportion of students in the school who thought of their parents or guardians as “strict”. They do not have time to interview all 1000 students in the school, so they plan to obtain data from a sample of students.
- a. Describe the parameter of interest and a statistic the students could use to estimate the parameter.
- b. Is the best design for this study a sample survey, an experiment, or an observational study? Explain your reasoning.
- c. The students quickly realized that, as there is no definition of “strict”, they could not simply ask a student, “Are your parents or guardians strict?” Write three questions that could provide objective data related to strictness.
- d. Describe an **appropriate method** for obtaining a sample of 100 students, based on your answer in part (a) above.