

- p. 126: 37. There are 975 faculty employed at a college. The dean of the college wishes to conduct a survey to obtain faculty input on a new teaching method being proposed. The dean constructs a list of the 60 departments in the college. She plans to take a simple random sample of six departments. Her sample will consist of all faculty in those six departments. Each faculty member belongs to only one department.
- (a) State what type of sampling method is being described.
  - (b) The 60 departments on the dean's list are identified as Department #1 through Department #60. You are to take a simple random sample of six departments from the list of 60 departments. Use your calculator with a seed value of 79 [unless you do not have a TI-83 or 84] to select your simple random sample of six departments.
  - (c) Can you determine the chance that any specific professor will be selected?
    - If yes, what is that chance?
    - If no, explain why not.