

SE212 Database System and Design
Lab 4

Name _____ SID _____

1. For each of the following pairs of related entities, indicate whether (under typical circumstances) there is a one-to-many or a many-to-many relationship. Then, using the shorthand notation (traditional) introduced in the slide and text, draw a diagram for each of the relationships. You are going to create a traditional ER diagram using draw.io. (10 points)

- a. STUDENT and COURSE (students register for courses)
- b. BOOK and BOOK COPY (books have copies)
- c. COURSE and SECTION (courses have sections)
- d. SECTION and ROOM (sections are scheduled in rooms)
- e. INSTRUCTOR and COURSE

Note: For each question, please add your business rule in detail.