Pre-Algebra Class Work 10.9

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Directions: You may use your book, notes, calculator, friends, and teacher. However you may not copy someone else work verbatim. **Show all your work.** If you are not finished at the end of class, write “NEED MORE TIME” at the top and turn your paper in – **you may not take it home.** You have one week to finish it.

The names of ten club members, four boys and six girls, are placed in a hat. Ben Dover is one of the boys and Betty Wont is one of the girls. Suppose names will be drawn to select a boy’s representative and a girl’s representative. Suppose that the first name drawn will be the club’s president and the second will be the vice-president.

1. Are the events independent?
2. Find P(Ben, then a boy)
3. Find P(girl other than Betty, then a boy)
4. Find P(a girl, then a boy)