1. (i) Students are intelligent. (ii) Students are in the library.

2. (i) A dog is a mammal. (ii) A dog is barking.

3. Men and women who are over 18 are allowed to vote.

4. Women without husbands are unhappy unless they have paramours.

5. If only Liberals support the Prime Minister and no Reformer supports the Premier, then if anyone is a Reformer, someone supports neither the Prime Minister nor the Premier.

6. Students are happy if and only if they study logic.

7. None but the brave deserve the fair.

8. Only the magnanimous deserve the respect of their compatriots.

9. There is not a single existentialist who either likes logic or is able to construct derivations correctly.

10. If there is someone who lives in an ivory tower and is not a good security risk, then no one who is either a professor or an egghead should be trusted with confidential information.

11. (i) Alfred can solve every puzzle. (ii) Alfred can solve any puzzle. (iii) Alfred cannot solve every puzzle. (iv) Alfred cannot solve any puzzle.

12. (i) If any witness lied, then he or she committed perjury. (ii) If any witness lied, then all of them committed perjury.

13. If some students were protesting, they were arrested. [ambiguous?]

14. (i) Politicians who always promise prosperity are prevaricators. (ii) Politicians, who always promise prosperity, are prevaricators.
Practice For Predicate Logic Translation, Part II

1. Every husband and wife has a spouse.

2. No one lacks a father, but not everyone is a father.

3. Every number has some number as a successor.

4. Some number is a successor of every number.

5. A teacher has no scruples if he or she assigns a problem that has no solution.

6. No principle is innate unless everyone who hears it assents to it.

7. No student likes every course he or she takes unless the only courses they take are philosophical studies.

8. If a father has only male children, then he does not have to provide a dowry for any one of them.

9. Someone is hit by a car every day.

10. You can fool some of the people all of the time, and all of the people some of the time; but you can’t fool all of the people all of the time.

12. Alfred is a friend of those who are not friends of themselves.

13. Uncles and aunts of opera lovers are opera lovers.
Practice for Predicate Logic, Part III (identity)

1. No one but Alfred and Betty are able to solve the problem.

2. Alfred attended the conference and arrived at it before everyone else who attended it except Mary.

3. Aristotle is the only member of the class who can read Greek.

4. Greensleeves can jump farther than any other frog in Calaveras County.

5. Pergolesi was the most promising composer of his time.

6. There are at least two students in the class who got an A.

7. There is exactly one even number and it is a prime.

8. No monogamous person has more than one spouse.

9. An opera is enjoyable if and only if it has exactly two acts.

10. At most one student missed at most one problem.

12. At least two soldiers shot exactly one demonstrator.

13. There are at least two men but at most one woman. Each man is married to some woman. Therefore, some woman is married to more than one man.