UNIT TWO
ANSWERS TO HOMEWORK WORKSHEETS
AND EVEN PROBLEMS FROM THE TEXT

Review exercises for 3.1 and 3.2

1. Some leopards are not spotted.
2. No people are funny.
3. Some stop signs are not red.
4. Some students have a driver’s license.
5. All judges are elected.
6. Today is Monday.
7. \( p \land \neg q \)
8. \( \neg p \lor q \)
9. \( r \rightarrow (p \land q) \)
10. \( p \leftrightarrow r \)
11. It is false that, if the dish is heavy then the dish is hot.
12. If the dish is hot, then the dish is not heavy or the dish is filled with soup.
13. T
14. T
15. T

3.2. 50) T
3.3 62) T 64) F 76) F

3.4a Negation Problems

1. Hank did not stay home for dinner or he will not wait for dessert.
2. Kim will not study French and she will not study Spanish.
3. Jane has a cold, and she will go swimming.
4. No apple is ripe.
5. The dress goes on sale, and I will not buy it.
6. Rick will not learn his part and he can be in the play.
7. I am ready to go or I will not stay home.
8. He does like broccoli.
9. It is not thundering or it is not lightening.
10. The air fares are cheap, and I will not fly to New York.
11. He sometimes does not have his cut on Saturday.
12. I will not say in Florida this summer or I will go to Maine.
13. Jake does not play basketball.
14. Tim will swim or he will water ski.
15. Scott does not play tennis, and he will not play golf.

3.4b Problems 1 – 4

1. c 2. d 3. a 4. b

3.5 1. v 2. in v 3. v 4. v 5. v 6. in v
7. If you like math, you like science.
10. You like English.