

**Section 1.3:** Exercises 6(a,b,e,f,k,l), 7(a,b,d,h).

**Section 1.4:** Exercises 14, 20, 21, 24, 27, 31. Hints and remarks:

- in the solution in Exercise 14 you may use the tautology (p) on page 25 (the solution is similar to the one in Exercise 13, given on page 370);
- in Exercise 20 you may use the fact that  $\sqrt{2}$  is an irrational number.

**Food for Thought:** Sec. 1.3, exercises 3, 4, 9; Sec. 1.4, exercises 13, 19, 29 (the solution of exercise 29 on page 370 is *really* interesting!).