Note: The information in these questions is actually worth learning in its own right. People with interests in Computer Science should especially pay attention to the material on resolution. Craig interpolation is also philosophically quite interesting, as one way that people might try to explicate the concept of a “direct” proof: a proof is indirect if it doesn’t pass through the Craig interpolant.

1. Chapter 1, Exercise 1.42, Part a), e) ii).

2. Chapter 1, Exercise 1.43, a), c), d)

3. Chapter 1, Exercise 1.44 all parts

4. Chapter 1, Exercise 1.45 Part a) and b) (The hint in the back of the book says more or less all you need for a solution to b)