- 1 Identification of propositions and eventual truth values.
 - a) The sentence "Boston is the capital of Massachusetts." is a proposition, the truth value is true.
 - b) The sentence "Miami is the capital of Florida." is a proposition, the truth value is false.
 - c) 2+3=5 is a proposition, the truth value is true.
 - d) 5+7=10 is a proposition, the truth value is false.
 - e) x + 2 = 11 is not a proposition.
 - f) The sentence "Answer this question." is not a proposition.
- 2 Identification of propositions and eventual truth values.
 - a) The sentence "Do not pass go." is not a proposition.
 - b) The sentence "What time is it?" is not a proposition.
 - c) The sentence "There are no black flies in Maine." is a proposition, the truth value is false since there are black flies in Maine.
 - d) 4 + x = 5 is not a proposition.
 - e) The sentence "The moon is made of green cheese." is a proposition, the truth value is false.
 - f) $2^n > 100$ is not a proposition.
- 3 Some propositions and the corresponding negations.
 - a) Mei has an MP3 player.Mei does not have an MP3 player.
 - b) There is no pollution in New Jersey. There is pollution in New Jersey.
 - c) 2+1=3 $2+1 \neq 3$
 - d) The summer in Maine is hot and sunny.

 The summer in Maine is not hot and sunny.