

**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.