

## Quiz/Attendance 2F

Firstname Lastname

ID#

1. In a correct solution to the dating problem (PS1, Problem 3), if Alice wants to go on a date with Bob but Bob does not want to go on a date with Alice, then Alice *will* learn that Bob isn't interested to on on a date with her.

← True or False

2. In a correct solution to the dating problem (PS1, Problem 3), if Alice wants to go on a date with Bob but Bob does not want to go on a date with Alice, then Bob *will* learn that Alice isn't interested to on on a date with him.

← True or False

3. It is possible to shared-key encrypt, with perfect-privacy, a 2-bit plaintext  $M$  with a key  $K$  that was produced by rolling a fair, 6-sided die ( $K \in \{0, 1, 2, 3, 4, 5\}$ ).

← True or False