

AMERICAN UNIVERSITY OF BEIRUT
Faculty of Arts and Sciences - Mathematics Department
Fall 2011 - 2012
Checkpoint 1

Name:.....

Translate the following into logical expressions by defining predicates and using quantifiers. Let the domain be all people.

- a) There is no one in this class who can speak both French and Spanish.
- b) Every student in this class has at least one friend who has taken this class.
- c) It is necessary that a student in this class solves all recommended exercises to get a full grade in this checkpoint.