Sample Quiz 1, MATH 54, Fall 2014	
Name (Last, First):	
Student ID:	
1. Assume the following assertion	ns are true:
There are restaurants at Ber In every Berkeley restaurant,	keley. there is a customer who does not order anything.
Circle each of the following asser	ctions which must also then be true:
a. There is a Berkeley restau	arant in which all customers order something.
b. There is a Berkeley restau	urant in which all customers order nothing.
c. There is no Berkeley resta	urant in which each customer orders something.
d. There is no Berkeley resto	nurant in which each customer does not order something.
e. There is a Berkeley restau	erant in which there is a customer who orders everything.
2. For what numbers a, b, c is techelon form (RREF)?	the following matrix in row echelon form (REF) or reduced row $\begin{bmatrix} 0 & a & -2 & b & 0 \\ 0 & 0 & 0 & c & 0 \\ 0 & 0 & 0 & 0 & a \end{bmatrix}$
RREF:	