## 2015 Fall COP 3502 Quiz #1

Date: 9/8/2015

Name:
Note: Please answer all coding questions with valid C code. You may assume for any question that the appropriate includes have been made and that i, j and k are declared and ready to use as integer variables (as loop indexes).
Part I - Dynamic Memory Allocation
For each of the following questions, you may assume that both size1 and size2 are integer variables that have been assigned to values prior to the line of code you are to write.
1) (4 pts) Write a single line of code that dynamically allocates an array of size1 variables of type double. Assign the memory allocated to a pointer called prices.
2) (2 pts) Write a single line of code that frees the memory allocated in question 1.
3) (6 pts) Write a segment of code that allocates a two dimensional array of characters with dimensions size1 by size2. The array should be prepared to hold size1 strings of length size2-1 or less. Assign the memory allocated to a pointer called words.
4) (6 pts) Write a segment of code that frees the memory allocated in question 3.