Grading Guidelines for CS 3 Homework 3
- Grade the homework out of 50 points.

Problem 1. (20 pts)
- Some people placed the cout statements inside
  your bfs function, but this doesn't make sense
  to do, and the homework specifically states
  that you're supposed to output the farthest
  word from the information you got from bfs.

- Some people had a memory leak after getNeighbors
  they use getNeighbors...make sure you delete
  that list each time through the while loop

Problem 2. (20 pts)
- Some people implemented the queue with only a back
  and front pointer when the assignment specifically
  said to implement only the front pointer.

- QUADRATIC does not equal EXPONENTIAL
  they are two different things...
  QUADRATIC is O(n^2)
  EXPONENTIAL is O(k^n) which is much much worse

Problem 3. (10 pts)
- Remember every recursive function must have
  a base case, and if the function has a return
  value other than void then something must be
  returned during that base case

- C++ is not Java! In C++ you must initialize
  your own variables. You can't assume that a
  pointer is set to NULL, an integer is set to 0,
  or a string is set to the empty string!

- Global variables are typically very bad, and
  thus try to avoid them...especially in recursive
  functions. Many people implemented this
  recursive function using a global variable, and
  it may appear to work for one run of the function
  but if you'd run your function a second time,
  you've never cleared out the global variable and
  thus you're gonna get your previous result
  concatenated with your new result!