Name:

Please remember you must follow instructions exactly in this course. Failure to follow these instructions will result in a failing grade on this quiz.

Each question is worth a maximum of 25 points:

1. Explain the difference between logging into the AWS server using ssh and typing the command “bash” from the command line in an existing terminal window on the AWS server.
2. Explain how to copy and paste a region of text in emacs. If you use vim, explain how you do this in vim. Be very specific and describe the keystrokes you would type. As an example, type three lines of random text in a buffer. Each line should be at least 10 characters long. Go to the middle of the second line. Select three characters, copy them without cutting them, move down the third line, create a fourth line in the file, and paste these three characters. Describe the keystrokes it took to accomplish this.

Note that you cannot use the mouse for this. You must do this entirely from the keyboard.

1. Type “ls -l / | grep home”. Describe what this complex command is doing and explain the output that you see in as much detail as possible.
2. In C, it is possible to type multiple commands on the same line. For example, consider the code below:

#include <stdio.h>

int main() {

float x = 27.0; float y = 27.0; /\* break here \*/ float sum = x + y;

printf("sum = %f\n", sum);

}

Based on what know about gdb and debugging programs, explain how you would set a breakpoint to stop the program before it executes the last statement in the third line (where “/\* break here \*/” is located), but after it executes the second statement (“float y = 27.0”).

Submit your quiz by editing this Word document, converting it to a pdf file named “lastname\_firstname\_qu01.pdf”. Send it as an email attachment to me (email: joseph.picone@gmail.com). It must be an attachment, not a link to a file. The file must be attached to your email message. The filename must match the requirement EXACTLY!