**COMP 2130, Quiz 1, Fall 2012**

Student Name: Student Number:

1. (2 marks) Explain how CPU and PC (Program Counter) are used together?
2. (2 marks) When is the virtual address space used? When is the physical address space used? What address space is used by the instructions that are fetched and executed by CPU?
3. (2 marks) Explain what locality means with an example code.
4. (2 marks) For what is stack in the virtual memory space used?
5. (2 marks) Write a statement to print a student’s number and height.

float height = ...;

int number = ...;

1. (4 marks) Write a function that is given a list of data items, finds the maximum and returns it.