

EECS 280 Lab 01 Worksheet: Getting Started

Due Sunday, 18 Sept 2016, 8pm

1. What is **one** advantage of the linking process? (*Hint: the files are compiled separately, and compilation is expensive.*)

2. Of the two following code snippets, circle the one(s) that are good practice (if any). If one or both is not good practice explain why. Assume that the files being included exist.

```
#include "library1.h"
```

```
#include "library2.cpp"
```

Note for early sections: we'll cover more on the topic of Q. 3 & 4 in lecture before the lab is due

3. Given the following code snippet:

```
// EFFECTS: Returns the sum of the inputs.  
int add(int a, int b){  
    return a+b;  
}
```

- a. Which of the following modifications to `add` only changes the implementation and not the interface?:

<pre>double add(double a, double b){ return a+b; }</pre>	<pre>int add(int a, int b, int c){ return a+b+c; }</pre>
<pre>int add(int a, int b){ return b+a; }</pre>	<pre>int add(int a, int b){ return a*b; }</pre>

- b. What's the benefit to substitutability? (i.e., Why should I care?)

4. Describe briefly what each command/program does
(add useful flags/options if you want)

<code>pwd</code>	
<code>mkdir</code>	
<code>ls</code>	
<code>cd</code>	
<code>cp</code>	
<code>mv</code>	
<code>echo</code>	
<code>touch</code>	
<code>nano</code>	
<code>vim</code>	