

CS 161 Recitation

Worksheet: Week 3

1. In the real world, when would you use/say each of these for solving a problem: **for**, **while**, and **do/while loops**?
2. When do you use the following logical operators in your everyday life: **and**, **or**, **not**?
3. The basic syntax of a **for** loop is shown below. What do each of the three parts mean? (init; condition; increment)

```
for ( init; condition; increment ) {  
    statement(s);  
}
```
4. When would you use an **if** versus **switch**?
5. What does the **break** statement mean in C++? When might you use it?
6. Implement a C++ loop that will print out every multiple of 15 less than 194, and explain/justify why you picked the type of loop you did.