Name:

Date:

Class: CS 160

Assignment #8

1) List and define/describe the five steps of the software development cycle. (Five Points)

1. **Planning, Defining and Analysis**
2. **Designing, Building, and Implementation**
3. **Testing**
4. **Staging and Deployment**
5. **Monitoring**

2) Why could it be beneficial to have standards when it comes to software development? One paragraph. (Three Points)

3) Research SDLC and list **four** different types of software development life cycle models used to complete a project. (Four Points)

**Possible models:**

**Waterfall**

**Iterative**

**Spiral**

**V-Shaped**

**Agile**

4) Define the following: (Four Points)

**Answers will vary**

Black-Box Testing – More of a functionality test; like from user perspective.

White-Box Testing – testing closer to and of the source code. Not much of functionality.

Alpha Testing – inhouse testing, usually.

Beta Testing – testing pool of product is larger than alpha.

5) Find an example of software that uses nightly builds as part of its development process that are released, at most, every month (check download descriptions or changelogs). Provide a one or two sentence description of the software and provide a link to the download page where both nightly and stable releases may be located. The software may have its own dedicated website \*\* or \*\* perhaps be located on a site such as GitHub. (Four Points)