CSSE 220 – Object-Oriented Software Development
Rose-Hulman Institute of Technology

Worksheet 08

Name (Print):_____   **Section:**_____

1. True/False Strong Dependency is when one class directly depends on the implementation of another class

2. Strong or Weak dependency?: _____: When the code calls for a lot of getters on some other object

3. Association vs Dependency
   _____ (UML solid line): a "has-a" link. It is a field.
   _____ (UML dashed arrow): a "depends-on" usage link. One class uses another as a parameter.

4. _____ is when a client makes a series of calls to retrieve an object and then operate on it

5. Name one problem caused by Message chain: _____

6. Coupling is when _____

7. Cohesion is when _____

8. High or Low Cohesion

   1) _____: A class or module that has a single, well-defined purpose

   2) _____: A class has multiple responsibilities or unrelated methods

9. High or Low Coupling
   1) _____: Each component is as independent as possible

   2) _____: A change in one class is likely to affect many others

10. What is the best design?
    1) _____ Coupling

    2) _____ Cohesion