**TIM 58: Systems Analysis and Design**

**Homework Set #5**

*Due as a paper copy in class at the beginning of class Tuesday February 14.*

1. **Describe the multiplicity of a relationship between two classes and give an example. (3 points)**
2. **Define the following set of terms: (6 pts total)**

**object; class; method; attribute, super class; subclass**

1. **Give three examples of derived attributes that may exist on a class diagram. How would they be denoted on the class diagram? (6 pts)**
2. **What are the different types of visibility? How would they be denoted on a class diagram? (6 points)**
3. **Give two examples of aggregation, generalization, and association relationships. How is each type of association depicted on a class diagram? (9 points total)**