**Chapter 1 Review Questions**

1) Redundancy is the duplication of data or storing data in more then one place. Problems with this can result in the loss of valuable information resulting in misleading or poor decision making. The accuracy of the data is the most important and the sole purpose of creating a database; to track information consistently.

3) An entity is a person, place, object, event, or idea for which you would like to store process. An attribute is a characteristic or field within an entity, Name, Phone Number, Customer ID.

4) A relationship is an association between entities. A One-to-Many relationship is 1 entity that as multiple variates of another entity.

6) To create a One-to-Many relationship in a database, one entity has to consist of attributes that relate to multiple variants of another; one consultant can have many clients, while many clients can have only have one consultant.

8) A database management system is a program or a collection of programs that interact with a database.

9) A database design is the process in determining the content and structure of data in a database utilized by a user or a group of users.

13) The Database Administrator acts as the manager between the Database Operations Manager (DM) and staff who tracks the integrity of the project setting policies or certain procedures that meet the DM’s or company’s needs.

14) Consistency can result from controlling redundancy by reducing the amount of times it takes to go back and take out existing data