Lab 2 - Geodatabase Assignment

Answer the following questions in a Word document and upload to eCampus in response to the Lab 2 assignment.

1. Use ArcMap, ArcCatalog, and the lab exercise data to answer this question. Scroll to the geodatabase CityWaterS inside the intro folder. The fittings feature class inside the PublicWater feature dataset contains an attribute field named FITTYPE. What type of data are stored in this field?
   a. Double
   b. Text
   c. Short Integer
   d. Long Integer

2. Use the SubdivisionSD geodatabase in the behavior folder to answer this question. In the Wells feature class, for the Municipal subtype, what is the default value for the Test_Date field?
   a. 5/1/2000
   b. 6/1/2000
   c. 7/1/2000
   d. 8/1/2000

3. What type or types of features establish flow in a network?

4. T/F The primary purpose of a feature dataset is to allow feature classes to participate in topological relationship definitions to perform higher level analysis.

5. When do you need to specify the spatial reference for a feature dataset?

6. What are the two types of attribute domains you can use in a geodatabase?

7. Create a new geodatabase and name it recreation. The geodatabase coordinate system should be as follows: State Plane Texas Central NAD83 Feet. Make sure all of your files are in this coordinate system before you load your geodatabase. Load all data in the homework directory into your geodatabase. You will also need to create a new feature dataset called hydrology for the data in the hydrology subdirectory. Two new empty feature classes should also be developed for walking trails and natural springs. Load your database into ArcMap, right click on inside the data frame and select full extent, make sure your table of contents tab is in view, print screen, and paste the picture to show your work. Use the cropping function and make the image large enough to evaluate.

8. What city does the transportation geodatabase represent? Hint: look in the attributes tables for the various features to get clues.