Exam 1 for Module 4

1. Testing a condition in a model requires the use of a script.
    - True
    - False

2. Which of the following best defines a script?
    A. A set of instructions stored in a file
    B. Documentation for a tool or a model
    C. An application that builds models
    D. Information that describes data

3. With regard to a script tool that includes both input and output parameters, which of the following statements is true?

    A. It can accept data from a previous process and provide data for the next process.
    B. It cannot be used in a model.
    C. It can accept data from a previous process but cannot connect to the next process.
    D. It cannot be connected to any other element in a model

4. Suppose you have added a custom script tool to a model. When you run the model from its dialog box, you want to be able to change the values for two of the script tool parameters. Which of the following methods would allow you to do this?

    A. Values for script tool parameters cannot be changed.
    B. Expose the tool as a model parameter, then create a variable from it.
    C. Create variables from the two parameters, then expose them as model parameters.
    D. Create environment settings from the two parameters, then convert them to variables.

5. What is the following line of Python code referencing?
    ```
    arcpy.Clip_analysis (fc, ClipFC, outputname, " ")
    ```

    A. A field
    B. A comment
    C. A workspace
    D. A tool

6. For a custom script tool, two parameter property settings work together to automatically set the output parameter value to be the same as the input parameter value in a model. For the output parameter, you would set the Type property to Derived and set the Dependency property to be the name of the input.
    - True
    - False

7. When you set up a script tool that will test one or more conditions, you must set up one output parameter for each possible result.
    - True
    - False

8. Suppose you add a script to a toolbox using the Add Script wizard and you set the data type for a parameter to Field. When the tool is run, a user can choose a feature class as the value for that parameter.
    - True
    - False

9. In your Python script, you see these lines of code:
    ```
    inputFC = arcpy.GetParameterAsText(0)
    outputFC = arcpy.GetParameterAsText(1)
    ```
    How many parameters will you need to set up in the Add Script wizard?
    A. 0
    B. 1
    C. 2
    D. 3

10. To connect a custom script tool to the element that comes before it in a model, which of the following must the tool have?
    A. An input tool parameter
    B. An output tool parameter
    C. A default value
    D. A relative path name

Exam 2 for Module 5

1. The Display properties dialog is used to specify attributes for your model labels?

- True
- False

2. Reports describe the variables, processes, and current state of your models.

- True
- False

3. If you want to distribute your custom models on a CD or network, the model should use relative paths.

- True
- False

4. When you move a model element that has a label attached to it, the label will remain where you originally placed it and a dashed line will appear connecting the label with its element.

- True
- False

5. Each of the following statements about documentation is true, except one. Which is the exception?
   A. Documentation is another step in your GIS project workflow
   B. Documentation is useful only if you will be sharing your work with others
   C. Documentation is where you can explain the process by which data and models were created
   D. Documentation is an opportunity to describe the tools and data used in your project

6. A tool's help can only be accessed by right-clicking the tool in ArcToolbox and choosing Help.

- True
- False

7. Help describes ownership, properties, and restrictions for custom tools.
- True
- False

8. View a report for the Calculate Elevation Preference model located in the Complete toolset of your LynxTools_Document toolbox. Find the process named Dissolve. What is the name of the variable's Output Feature Class?

    A. ElevUtil
    B. Elevation_Dissolve
    C. Elevation_FC_Dissolve
    D. Elevation_Layer

9. Each of the following is a true statement about model labels, except one. Which is the exception?

    A. Labels serve as visual reminders of how your model works
    B. Labels can be used as notes as you build your model
    C. Labels can act as a replacement for model metadata and help
    D. Labels emphasize various important elements of your model

10. Examine the Calculate Prey Distribution model located in the Complete toolset of your LynxTools_Document toolbox. Which of the following model elements does not have an attached label?

    A. Union
    B. Select and Calculate
    C. Dissolve
    D. Calculate Field