1. In the following code, when x = 60 the value of the Boolean indicator will be True / False

![Code Diagram]

2. Consider the following VI.
   (a) How many times will the loop execute? ____
   (b) What is the value of the For indictor when the program stops (assume For Stop C is not pushed)? ____
   (c) What happens when the For Stop C button is pushed?

![VI Diagram]

3. (a) If an array is wired to a For Loop, the input tunnel has Index enabled T/F ____
   (b) If an array is wired to a While Loop, the input tunnel has Index enabled T/F ____
   (c) An array inside a For loop is wired to the boundary. The output tunnel has index enabled T/ F ____
   (d) An array inside a While loop is wired to the boundary. The output tunnel has index enabled T/ F ____

4. A For loop has two parts labeled i and N.
   (a) What is the meaning of i, and does it change as the loop runs?
   (b) What is the meaning of N, and does it change as the loop runs?

5. When dealing with the connector icon in making a sub-VI, the visual appearance of the icon can be changed
   (a) Either from Front Panel or from Block Diagram
   (b) Only from Front Panel
   (c) Only from Block Diagram.
6. Consider the following VI.
   (a) How many times will the loop execute? _____
   (b) The program runs to completion without the While Stop C being pushed. What is the value of the While indicator when the program stops? _____
   (c) What happens when the While Stop C button is pushed?

![Diagram of a VI with a While loop and While Stop C button]

7. A Replace Substring icon is shown below. What will be the value of the result string?
   (a) Hello Wto you!
   (b) Hello to you!
   (c) Helloto you!
   (d) Hello to you

![Diagram of a Replace Substring icon]

8. When dealing with the connector icon in making a sub-VI, the connectors for the icon can be changed
   (a) Either from Front Panel or from Block Diagram
   (b) Only from Front Panel
   (c) Only from Block Diagram.

9. What is the basic structure of a State Machine in Labview?
10. When the following is run, what is the output array? The unlabeled icon is an *Insert Into Array*.
   (a) 2 3 5 7 4 6 8   (b) 3 5 7 2 4 6 8   (c) 2 4 6 8 0 3 5 7   (d) 2 4 6 8 3 5 7 0

11. When the following code is run, what will be in the String Result?

12. What are the two arrays sizes when the following code is run? The icons inside the loops are random number generators (the dice) and a *Build Array*. 