Name: _____

NOTE*** This Test will be over **all of Unit 5** (including concepts covered on the quiz). Please use your Unit 5 Part 1 Review to help study

New Vocab:

- Array –

- List –

- Key Event –

- For loop –

- Return value –

- Canvas –

Short Answer

1. Arrays and variables both store information. Give two examples of what would best be stored in variables and two examples that would be best stored in arrays
   a. Variable:

   b. Array:

2. Assume there is a global variable called **numberList** that contains a list of integers. Write pseudo code for a function that takes in an integer as a parameter called **split** and returns a new array that contains all the numbers less than **split**.

3. What is the purpose of refactoring code? What steps might be needed in this process?

4. Which search method is more efficient, linear search or binary search? What has to be true about a list before a binary search can be done?

5. Why are return values sometimes necessary/helpful? Why don't we just make all variables global?

6. Give an example of a function that would be best written with a return value. What would the return value be?