ICS 3U0		June 2016
Central Peel Secondary School		
Grade 11 University Preparation – Introduction to Computer Science – Final Exam Outline		
Mr. N. Nolfi		
Name:	/74	Time: 2 hours

Terms you Should Know for the Matching and Multiple-Choice Questions

execute, variable, local variable, global variable, variable declaration, object, control (object), component, method, property, event, procedure, procedure name, event-handling procedure, procedure with a result (called a "Function" in VB), **Sub**, algorithm, loop, counted loop ("For"), conditional loop ("While"), variable declaration, call, argument, parameter, code, if statement, named constant, list, bug, debug, breakpoint, emulator, designer, input/processing/output/memory model, assignment statement

- Matching: Match each term in the left column with the *best definition* or *description* in the right column. There are 20 terms and 26 definitions. (Many of the incorrect definitions are very silly. Their main purpose is to amuse you.) [10]
- Multiple Choice: There are *nineteen* multiple-choice questions based on the *main ideas* that we have covered in this course. (Many of the incorrect answers are *extremely* silly. Their main purpose is to amuse you.) [19]
- **3.** Identify Program Elements: Both App Inventor blocks and VB code are given. You need to identify program elements such as procedure names, variable names, arguments, events, etc [14]
- **4. Programming:** Shown below is a drawing that consists entirely of line segments, on a canvas of size 300 pixels × 300 pixels.
 - (a) Use the provided grid to reproduce *enough* of the given picture to allow you to see patterns. [5]
 - (b) Now complete the following tables of values. Include enough points to allow you to see patterns. [5]
 - (c) The App Inventor procedures shown below *both* generate the picture shown above *but* they don't do it in exactly the same way. Study the procedures, then answer the questions found below. [6]
- **5.** Given below is an App Inventor solution to the following problem:

Pizzas cost \$10 each and toppings for the pizzas cost \$0.50 each. When the total number of pizzas is added to the total number of toppings, 86 is obtained. If Homer spent exactly \$100 on pizzas and toppings, how many of each did he buy?

Translate the above App Inventor event handler into a Visual Basic event handler. An outline of the VB event handler is given to guide you through the translation process. **[15]**