**Take Home: Quiz 4 (15 pts) – Decision Statements and Flowcharts**

**Submit a hard-copy of your solutions in lab this week!**

1. (4 pts) What is a flowchart? Explain.
2. (6 pts) Draw a *flowchart* for the following problem (no C code is required!):

*Given three numbers: n1, n2, and n3. Find the maximum number.*

Hint: remember a decision is represented by a diamond shape and a process is represented by a rectangular shape.

**Please keep this page separate!**

1. (5 pts) EECS is conducting a study to evaluate the retention rate in the program. The data collected from this survey will be used in this study. Your name and WSU ID will be kept confidential and will not be included in the published results.

**Please complete the following:**

1. Name:
2. WSU ID Number:
3. Age:
4. Class Standing: (circle one) Freshman Sophomore Junior Senior Other: \_\_\_\_\_\_\_\_
5. Current major:

If presently a computer science (CptS) major:

1. How likely are you to switch to a major that is not computer science? (circle one)

1- not at all likely

2- not sure

3- somewhat likely

4- very likely

5- already decided to switch

If presently a major other than CptS and EE:

1. Do you plan to become a computer science major?

(If **YES**)

1. How likely are you to switch your major to computer science? (circle one)
2. not at all likely
3. not sure
4. somewhat likely
5. very likely
6. already decided to switch
7. Are you currently doing minor in computer science?

(If **NO**)

1. How likely are you to pursue a minor in computer science? (circle one)
2. not at all likely
3. not sure
4. somewhat likely
5. very likely
6. already decided to switch
7. What is your reason for taking the present computer science course?
8. How likely are you to enroll in the next course in the computer science sequence?
9. not at all likely
10. not sure
11. somewhat likely
12. very likely
13. already decided to enroll