Name:									

Use this quiz to help make sure you understand the videos/reading. **Answer all questions.** Make additional notes as desired. **Not sure of an answer?** Ask your instructor to explain in class and revise as needed then. **Turn this in via the Session 8 Dropbox on our Moodle site.**

Throughout, where you are asked to "circle your choice", you can circle or underline it (whichever you prefer).

<u>Video</u>: The Wait-Until-Event Pattern [7:34 minutes]

1. Write a *definite loop (using a for statement)* that prints the numbers 1 through 1000, inclusive.

2. One of the following is the **Definite Loop** pattern and one is the **Wait-Until-Event** pattern. Draw arrows from the phrases to the patterns to indicate which is which.

Wait-Until-Event pattern

Definite Loop pattern

Run n times:
...

Repeatedly:
...
Has the event occurred?
If so, break out of the loop.

3. Explain the role of the "sentinel" value in the wait-until-event pattern, when getting input from a user.

4. Write an *indefinite loop (using a while statement)* that prints the integers 1 through 1000, inclusive. (This problem would be better solved with a *for* statement, but I am asking you to use a *while* statement here so that you can practice *while* statements.)

5. Write an *indefinite loop (using a while statement)* that prints integers starting at 100,000 and stopping when it encounters an integer whose cosine is less than -0.999. Do NOT print the integer whose cosine is less than -0.999.

6. The previous problem asked that you NOT print the integer whose cosine is less than **-0.999**. How would you need to modify your answer above if you WERE supposed to print the integer whose cosine is less than **-0.999** (but still stop the loop after doing so)?