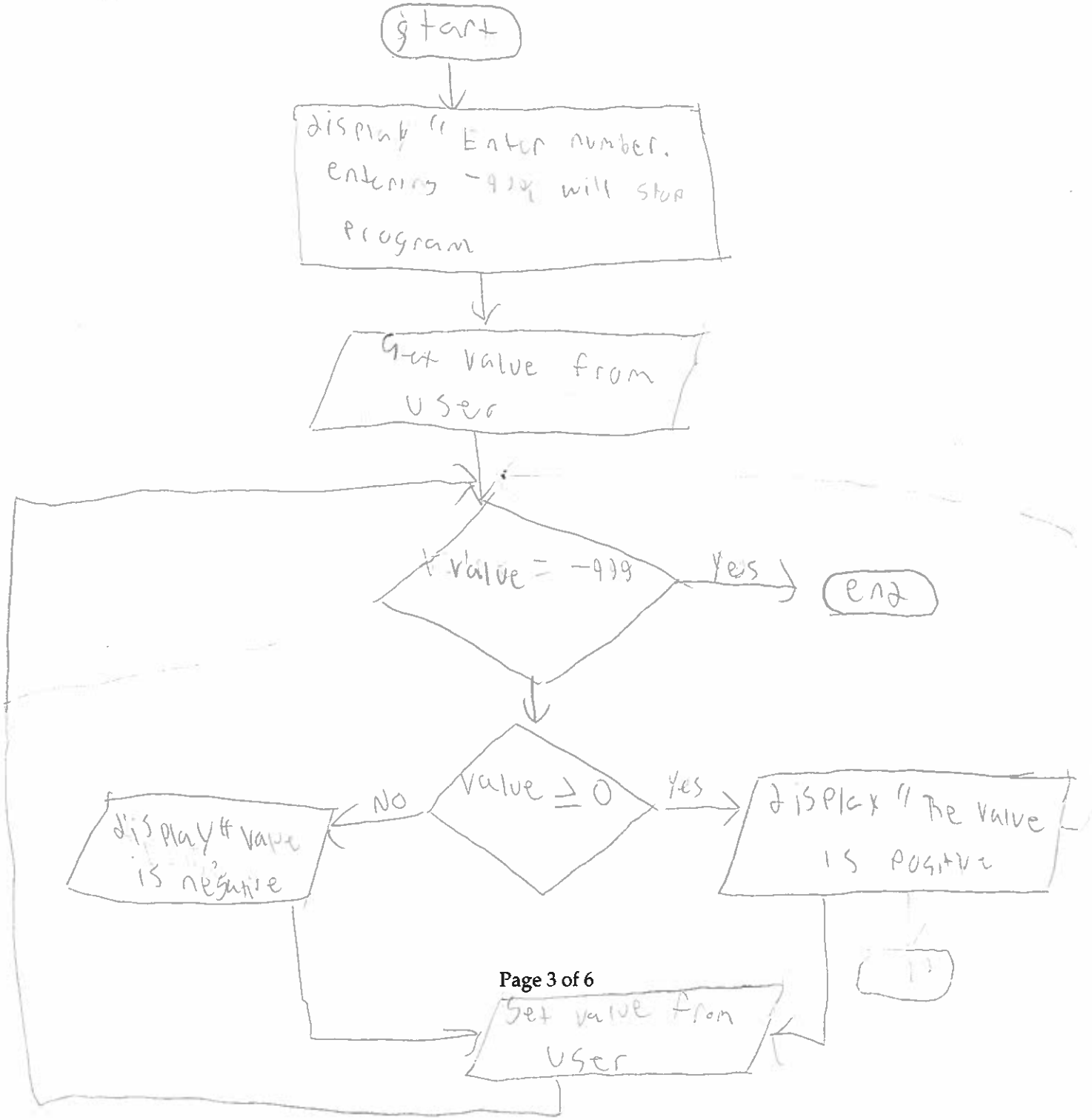
Name: _____

3. (100 points) Create a flowchart for the pseudocode described below.

Algorithm 3: Pseudocode to Flowchart

```
1    begin
2      display "Enter number. Entering -999 will stop program"
3      get value from user input
4      while value does not equal -999
5            if value is greater than or equal to 0
6                 display "The value is positive"
7            else
8                 display "The value is negative"
9            end if
10           get value from user input
11     end while
12   end
```



4. (100 points) Answer the following questions about terminology:
   a. What properties does an algorithm always have?
   b. What ways of describing algorithms can help make sure these properties are met?

a) Ordered sequence of steps that must be in order; finite, unambiguous and terminating

b) What is the end goal, does every event have an end case.

order the steps and what prerequisite steps are needed.