

30 pts) 16. Given the following problem, provide a detailed flowchart that fully represents the problem.

I have a book of students' names, ages, sex, and scores. A male has a sex code of 1, a female a 2. I want an output that prints a line for each male in the class, giving his name and the average of his scores. Also, you are to print the total number of males and the average age of the males.

The input looks as follows

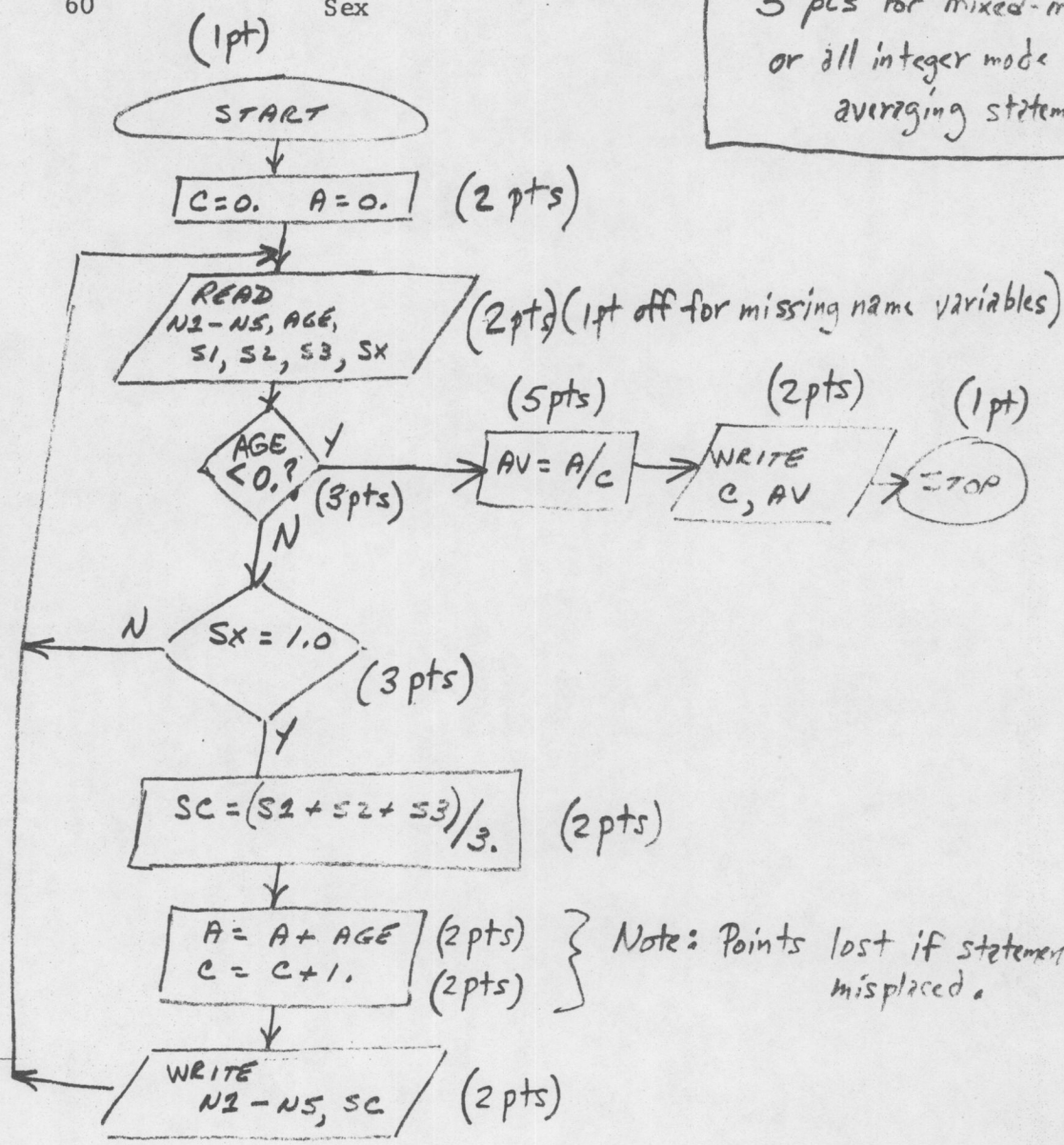
Add: Negative age card added at end of data deck.

Card Column	Description
1-20	Name
25-26	Age
30-35	Score 1
40-45	Score 2
50-55	Score 3
60	Sex

2 pts/computation
 2 pts/input-output
 3 pts/decision
 5 pts for AV out of order

3 pts for mixed-mode or all integer mode on averaging statement

All points lost for box if mixed mode (except for averaging box) or incorrect path



Note: Points lost if statements misplaced.

Also: 3pts. off for any missing line