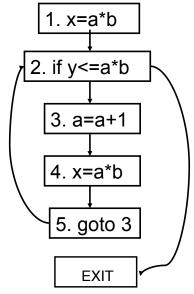
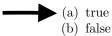
YOUR NAME: Bishwajit Saha

Program Analysis Quiz 1 Friday February 5, 2021 20 points

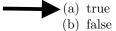
All 10 questions refer to the following control-flow graph:



Question 1. (2pts) Definition (a, 3) reaches entry of node 4.

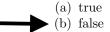


Question 2. (2pts) Definition (a,3) reaches entry of node 3.



Question 3. (2pts) The set of definitions that reach the entry of node 5 is the following: (x, 1), (a, 3), and (x, 4).

1



Question 4. (2pts) Variable a is live on exit from 2.



Question 5. (2pts) Variable x is live on exit from 4.



