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|  | LAB #2  Statements and Flow Control |  |

This lab exercise is closed book/closed notes and an individual effort. It is to be completed in person on this sheet. This lab is worth 50 points and you will have 75 minutes to complete it. Fill in the following blanks with the missing code (pay close attention to syntax!)

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| #include <iostream> // For console IO  int main() { // Entry point definition  // Define two integers, a and b. Initialize both variables with input from the user.  // Define another integer called sum. Initialize this variable to 0.      // First check if a and b are both >= to 0, and if so then calculate a^b via addition  // using a for loop (see reference)  // Else, print an error message.  return 0;  } |

**Reference:**

given that and are positive integers can be found by the equivalence:

Or, in other words, added to itself times is to if and are integers and greater than or equal to 0.

ADD EXAMPLE(S) OF A SUMMATION WITH WHILE LOOP CODE

|  |  |
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| Equation Here | Code Here |