

Title: 1'S COMPLEMENT ADDER/SUBTRACTOR

Materials:

- [1] 7483 Adder IC
- [1] 7486 XOR IC
- [1] 7408 AND IC

Procedure:

1. Wire and operate the 1's complement adder/subtractor circuit shown. **Get Instructor's Signature.**

Questions:

1. On the back of this sheet, perform the following subtraction problems using the 1's Complement end-around carry method. Show all work.
 - a. 1101 - 1010
 - b. 0100 - 0011
 - c. 1000 - 0111

