

### 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

