Classwork 02 CPE221 Computer Ozzonizatien
Instructor & Rahul Bhadani
Spring 2025, UAH
Student's Name:

- 1. How many items can be counted using 3 bits?
 (2 points)
- 2. Consider a number (312) is base 7.

 Convert it to base 10. (2 points)

3. Consider a binary number (1011 1000).

4. Consider a decimal number 200. Write its binary equivalent (or base 2 equivalent).

(2 points)

5. Bring Addition:

(2 point)

00110111

6. Convert the following to hexadecimal numbers:
ADB (2 points)

a sign-magnitude notation,
a sign-magnitude nota

8 /wo's complement: Convert -50 to 2's complement representation using 8 bits.

(4 points)

9 Is 01110111 und 2's complement scheme a negative number or a positive number?