Vivian Do

CSC 3210

Lab 1 b

Problem 1: Subtract the following hexadecimal numbers 7ACD - 3A8C = ?

```
 7ACD
-3A8C
------
 4041
```

13 - 12 = 1
12 - 8 = 4
10 - 10 = 0
7 - 3 = 4

A = 10
C = 12
D = 13

7ACD - 3A8C = **4041**

Problem 2: Convert 01110110 into 2's Complement form.

01110110 → 10001001

```
 10001001
+        1
----------
 10001010
```

2's Complement = **10001010**

Problem 3: Subtract the following Octal numbers 765 - 371

```
  6 14
  7 65
- 3 71
-------
  3 74
```

5 - 1 = 4
6 - 3 = 3
14 - 7 = 7
6 + 8 = 14

765 - 371 = **374**