## CIS7 Unit 1 Lab 1

In this lab, we will continue to complete the exercises in binary arithmetic, hexadecimal conversions and twos' complement.

1. Binary Multiplication:

## **Binary Multiplication Rules**

0 x 0 = 0	0 x 1 = 0
1 x 0 = 0	1 x 1 = 1

**Example:** 

2. Convert the following hexadecimal to decimal values.

= 101101100001

5. Convert 95C2<sub>16</sub> to binary values.

6. Find the octal values for the following values:

C. 
$$\phi_{11}^{11}_{11}^{111}_{101}^{101}_{101} = 315_8$$

7. Find the twos' complement of the following values:

