CS 5541 - Computer Systems
Spring 2020
In-Class Exercise 1
Integer Representations

1) What is the range of decimal values that a 4-bit two's complement integer can express?

_____ to _____

2) What is the range of decimal values that a 6-bit unsigned integer can express?

_____ to _____

3) Fill in the following table with the missing values. Do NOT use a calculator or online tool. Please convert the values by hand (just some review practice).

Binary (Base 2)	Hexadecimal (Base 16)	Decimal (Base 10)
10110001		
	0F	
		137
	9A	