ECE	281	- H	W	#1
(Due	Less	son	3)	

NAME	
Documentation:	

You are encouraged to attach any *neat* work that is not included with this sheet. You may seek help from any current ECE 281 student or instructor and reference any publication in its completion. Normal documentation is required.

1	1	
1. Convert to base 2:		
125 ₁₀ :	149210:	
236478:	532438:	
2A3 ₁₆ :	EE281 ₁₆ :	
2. Convert to base 10:		
10010012:	101010102:	
236478:	532438:	
2A3 ₁₆ :	EE281 ₁₆ :	
3. Convert to base 16:		
10010012:	101010102:	
125 ₁₀ :	1492 ₁₀ :	
23647	53243°·	

4. <u>If possible</u>, convert the following decimal numbers to the specified format. Otherwise write "not possible".

220:_____

			1	\circ	1 .
a	To	unsign	ned	Х	h11
а.	10	unsig	ucu	o	U

23:	-33:		

67:_____

5. Compute the following binary additions and subtractions. Identify if an overflow or carry out occurs.

a. Assume 8 bit unsigned

b. Assume 8 bit 2's complement

c. Now do the above problems in decimal to check them