



Name: Date:
Section: Grade:

1.0 Number Systems Representation, Conversion, and Arithmetic Operations

1.1 Instruction: Complete the table below (Do not forget to write the letter suffix for each number system) [30 pts]:

Binary	Octal	Decimal	Hexadecimal
		947d	3B3h
1011 0101b			
			101h
1110 0111b	347o		

1.2 Instruction: Perform the following operations in the specified number system [60 pts]:

1.2.1 Binary Operation

(1) 101101 + 100110 + 111101 + 100001	=	
(2) 1 1100 1011 - 1101 0111	=	
(3) 10 1011 × 101	=	
(4) 10 0110 1101 ÷ 1001	=	

1.2.2 Octal Operation

(5) 7407 + 1676 + 1036	=	
(6) 6203 - 5677	=	
(7) 352 × 224	=	
(8) 2355 ÷ 16	=	

1.2.3 Hexadecimal Operation

(9) 2ACE + FEED + 404	=	
(10) 7 6DAE - 8EFF	=	
(11) FADE × 34	=	
(12) DA45 / 2D	=	