

Date \_\_\_\_\_

A	B	C	S	C <sub>out</sub>
0	0	0	0	0
0	0	1	1	0
0	1	0	1	0
0	1	1	0	1
1	0	0	1	0
1	0	1	0	1
1	1	0	0	1
1	1	1	1	1

C \ AB				
	00	01	11	10
0		(1)		(1)
1	(1)		(1)	

$$\text{Sum} = \bar{A}\bar{B}C + \bar{A}B\bar{C} + ABC + A\bar{B}\bar{C}$$

C \ AB				
	00	01	11	10
0			(1)	
1		(1)	(1)	(1)

$$\text{Carry} = BC + AC + AB$$