## **Boolean Logic Test**

1. Complete the following truth table.

Α	В	AND	OR	XOR	NOT A	NAND	NOR
0	0						
0	1						
1	0						
1	1						

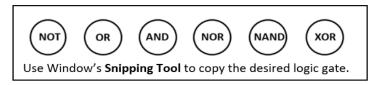
2. Complete the following truth table for the Boolean expression

Α	В	(B OR A)	A XOR (B OR A)
0	0		
0	1		
1	0		
1	1		

3. Create a truth table for the Boolean expression

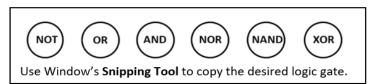
## A AND (NOT B OR A)

Α	В	NOT B	NOT B OR A	A AND (NOT B OR A)
0	0			
0	1			
1	0			
1	1			



4. Create a logic diagram for the following Boolean expression.

(A AND B) OR NOT A



5. Create a logic diagram for the following Boolean expression.

(A AND B) OR (A XOR B)