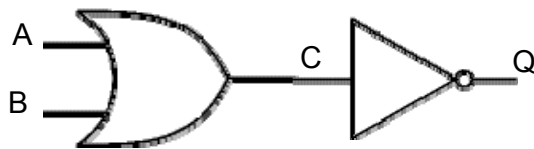


Logic Gate Worksheet

1. A Logic circuit has two inputs being **X** and **Y** fill in all the possible combinations.

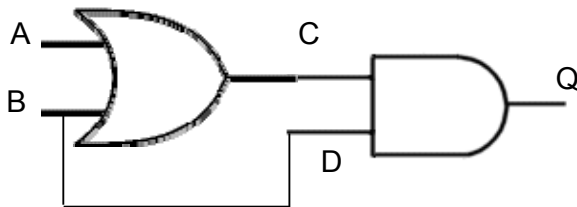
X	Y

2. The figure below shows a logic circuit and its incomplete truth table. Complete the below truth table.



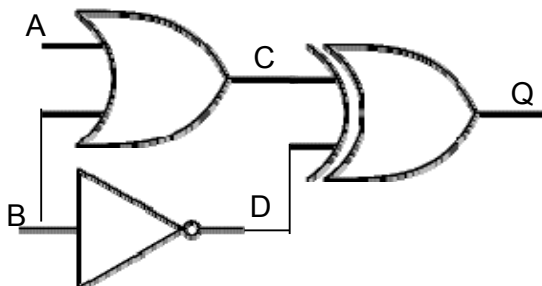
A	B	C	Q
0	0		
0	1		
1	0		
1	1		

3. The figure below shows a logic circuit and its incomplete truth table. Complete its truth table.



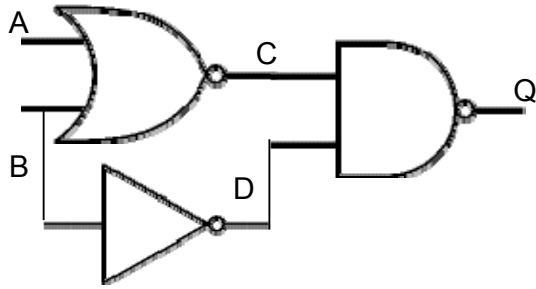
A	B	C	D	Q
0	0			
0	1			
1	0			
1	1			

4. The figure below shows a logic circuit and its incomplete truth table. Complete the below truth table.



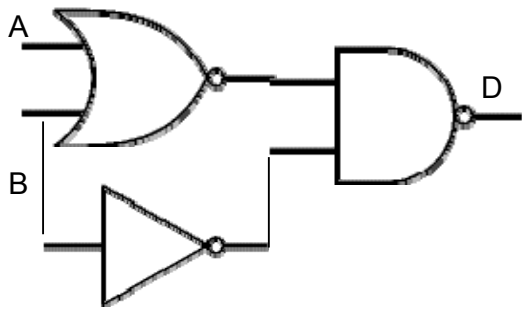
A	B	C	D	Q
0				
0				
1				
1				

5. The figure below shows a logic circuit and its incomplete truth table. Complete the below truth table.



A	B	C	D	Q
	0			
	1			
	0			
	1			

6. For the logic circuit below complete the truth table.



A	B			D
0	0			
0	1			
1	0			
1	1			