

Name _____

Logic Gates
Homework 3

Draw the logic diagram for the following expressions:

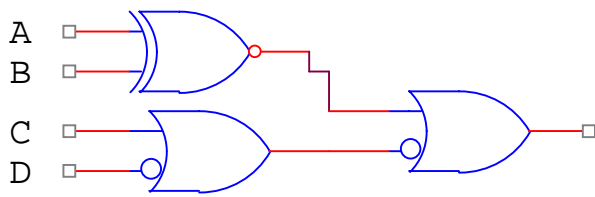
A) $\overline{A} \overline{B} \oplus C + D$

B) $\overline{DE}(F + G)$

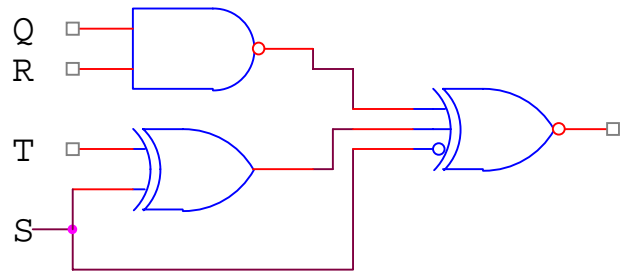
C) $X \oplus Y \overline{VW}$

D) $\overline{\overline{L} \oplus MN} + P$

Write the boolean expression for the following logic diagrams:

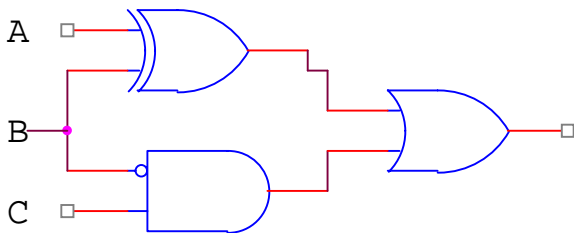


Boolean Expression: _____

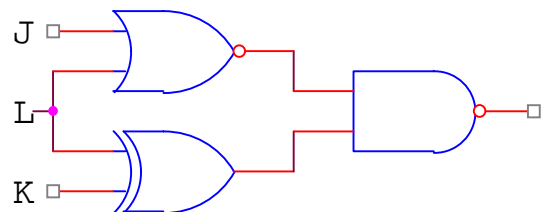


Boolean Expression: _____

Complete the truth table for the following logic diagrams:



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



J	K	L
0	0	0
0	0	1
0	1	0
0	1	1
1	0	0
1	0	1
1	1	0
1	1	1