Logic Gates
Homework 4

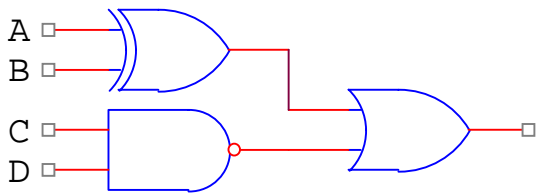Draw the logic diagram for the following expressions:

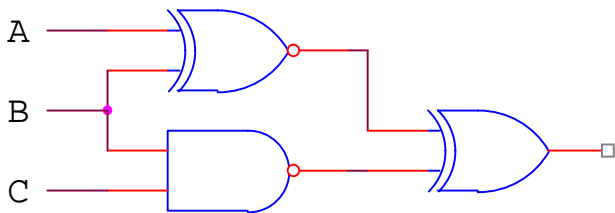A) $BA \oplus \overline{BC}$

B) $(D \oplus EF)D$

C) $\overline{AC + BC} \oplus AB$

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

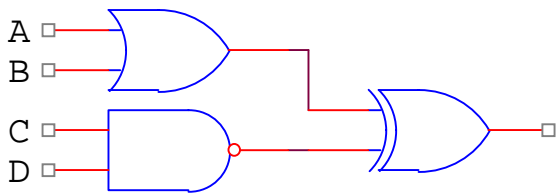Write the boolean expression for the following logic diagrams:
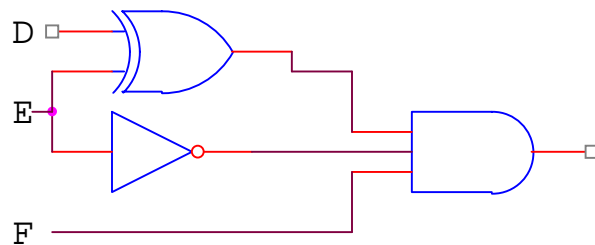

Boolean Expression: _____

Boolean Expression: _____

Write the boolean expression and complete the truth table for the following logic diagrams:

Boolean Expression: _____

Boolean Expression: _____

A	B	C	D	
0	0	0	0	
0	0	0	1	
0	0	1	0	
0	0	1	1	
0	1	0	0	
0	1	0	1	
0	1	1	0	
0	1	1	1	
...				

D	E	F	
0	0	0	
0	0	1	
0	1	0	
0	1	1	
1	0	0	
1	0	1	
1	1	0	
1	1	1	