Logic Gate Puzzle

① a) A AND B $\Rightarrow$ 1·0 = 0

b) A OR B $\Rightarrow$ 1 + 0 = 1

c) A XOR B $\Rightarrow$ 1 ⊕ 1 = 0

   1 ⊕ 0 = 1

d) A NOT A B $\Rightarrow$ A = 1

   NA = -1

Truth Table

A	B	A AND B	A OR B	A XOR B	Not A
0	0	0	0	0	1
0	1	0	1	1	1
1	0	0	1	1	0
1	1	1	1	0	0