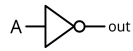


Name:



1. Given

$$A \wedge \neg B$$

- (a) Write the truth table.
- (b) Draw the circuit diagram.

2. Given

$$\neg(A \wedge B) \vee B$$

- (a) Write the truth table.
- (b) Draw the circuit diagram.

3. Given

$$\neg A \wedge B \vee C$$

- (a) Write the truth table.
- (b) Draw the circuit diagram.

4. Given

$$(\neg A \wedge B) \vee \neg(A \wedge B)$$

- (a) Write the truth table.
- (b) Draw the circuit diagram.

5. Draw a circuit diagram to match this truth table:

<i>A</i>	<i>B</i>	<i>Output</i>
0	0	1
0	1	0
1	0	1
1	1	1

6. Write the Boolean expression corresponding to this circuit:

