

Answer the questions in the spaces provided on the question sheets. If you run out of room for an answer, continue on the back of the page.

**Show all work.**

Credit **will not** be given if work is not shown.

Name and section: \_\_\_\_\_

Question:	1	2	Total
Points:	5	5	10
Score:			

1. (5 points) Fill out the following truth table:

A	B		$\neg(A \ \&\& \ B)$			$(\neg A \    \ \neg B)$

2. (5 points) What does the following print?

```
#include<iostream>
using namespace std;
int main(){
    int x = 5;
    int y = 12;
    if (2*x>y){
        cout<<" hi" ;
    }else{
        cout<<" bye" ;
    }
    return 0;
}
```