Answer Sheet for Lab 3

Part 1

- a) _____0__
- b) _____1___
- c) _____1___
- d) _____0__

Part 2

- a) _____48____
- b) _____3.3 V_____

Part 3

Attach screenshot here (or submit as a separate file) **NEXT PAGE**

```
Lab3 > ≣ Start.v
                   assign x = (~a & b & ~c & d) | (a & ~b & c & d) | (a & b & ~c & d);
 PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
Cases-MacBook-Pro-9:Lab3 case$ iverilog tb_Start.v Start.v Cases-MacBook-Pro-9:Lab3 case$ vvp a.out > out.txt Cases-MacBook-Pro-9:Lab3 case$ vvp a.out Starting simulation.....
Case Chrisbacher
Cases-MacBook-Pro-9:Lab3 case$
```

Part 4

Does your design work on your board?

Yes, it does! The three combinations that turned on the far-right LED were:

- (~a)*(b)*(~c)*(d)
- (a)*(b)*(~c)*(d)
- (a)*(~b)*(c)*(d)