

**Math 215: Introduction to Advanced Mathematics**  
Problem Set 1

**Due Friday September 8**

Do pg. 53: 2,5

1) Construct the truth table for

$$((P \Rightarrow Q) \text{ and } (Q \Rightarrow R)) \Rightarrow (P \Rightarrow R).$$

[Note: There will be 8 possible truth assignments for  $P, Q, R$ ]