

Math 210, Fall 2015

Collected Homework Assignment #2 – due Monday, September 14

1. Use a Venn diagram to verify the set identity $A \cup (B \cup C)' = (A \cup B') \cap (A \cup C')$

2 Use a truth table to verify the set identity $A \cup (B \cup C)' = (A \cup B') \cap (A \cup C')$

3. Write an element-chasing proof to verify the set identity $A' \cup (B \cap A) = (A \cap B)'$