Math 210, Fall 2015

Collected Homework Assignment #2 – due Monday, September 14

1. Use a Venn diagram to verify the set identity $A∪\left(B∪C\right)^{'}=\left(A∪B^{'}\right)∩(A∪C^{'})$

2 Use a truth table to verify the set identity $A∪\left(B∪C\right)^{'}=\left(A∪B^{'}\right)∩(A∪C^{'})$

3. Write an element-chasing proof to verify the set identity $A^{'}∪\left(B∩A\right)=(A∩B^{'})'$