

Assignment # 1 Sample

1. Prove or disprove the following:
For non-empty sets A and B , $(A \cup B) = (A \cap B)$ if and only if $A = B$

Part 1) Prove if $A = B$, then $(A \cup B) = (A \cap B)$

Part 2) Prove if $(A \cup B) = (A \cap B)$, then $A = B$