

Proofs Involving Sets #5 (Proving the Contrapositive)

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Instructions. Prove the following by proving the contrapositive.

1. $A \subseteq B \Rightarrow (A \cap B) = A$

2. $A \subseteq B \Rightarrow (A \cup B) = B$

3. $(A \cap B) = \emptyset \Rightarrow A \subseteq B^c$