
1. Practice Problem 2.3 a) in Ramanathan, page 11. You should also prove that $\left(\bigcup_{i=1}^{\infty} A_i\right)^C = \bigcap_{i=1}^{\infty} A_i^C$.

2. Practice Problem 2.4 in Ramanathan, page 11.


4. Practice Problem 2.8 in Ramanathan, page 19.