

14.381 Problem Set 0 (Set Theory)
Statistics Fall, 2004

TA: José Tessada (tessada@mit.edu)

Not due, just for practice.

1. Prove the following equivalence (X is the universal set):

$$A \subseteq B \iff (A^c \cup B) = X$$

2. Exercise 1.2 from Casella and Berger (C&B), page 37.
3. Exercise 1.3 from C&B, page 38.