Homework Assignment #5
Due: October 1, 9:30 a.m.

For this assignment, I would like your proofs to be detailed. (Your answers should still easily fit on a page, though.)

1. Prove that for all sets A, B and C,

$$(A - B) - C \subseteq A - C.$$

2. Let $f : A \to B$. Let $S \subset A$ and $T \subset A$. Prove that

$$f(S \cup T) = f(S) \cup f(T).$$