# Math 212 Homework 5

Your name goes here

Due March 27, 2019

**List of collaborators:**

**Theorem M.** Let $S$ and $T$ be subsets of a universal set $U$. Then $(S \cup T)^c = S^c \cap T^c$.

*Proof.* □

**Theorem N.** Let $S$, $T$, and $U$ be sets. Then $S \setminus (T \cup U) = (S \setminus T) \cap (SU)$.

*Proof.* □

**Theorem O.** Let $S$ and $T$ be subsets of a universal set $U$. Then $S \setminus (S \setminus T) = S \cap T$.

*Proof.* □