1. Prove that

$$
\{n \in \mathbb{Z}: n=7+10 k \text { for some } k \in \mathbb{Z}\}=\{n \in \mathbb{Z}: n=10 k-3 \text { for some } k \in \mathbb{Z}\}
$$

2. Let $A, B$, and $C$ be sets. Prove that if $A \subseteq B$, then $C-B \subseteq C-A$.
