## Additional Problems Assignment 7

1. Suppose $T_{1}$ and $T_{2}$ are linear transfromations from $\mathbb{R}^{m}$ to $\mathbb{R}^{n}$ and $k \in \mathbb{R}$. Show the following are also linear transformations:
(a) $T_{1}+T_{2}$
(b) $k T_{1}$
