## 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)  $kT_1$