

## Extra credit problems

Math 427

0. Find a mistake or misprint in the book. (The score depends on the type of mistake.)
1. Describe all the motions of the Manhattan plane.
2. Construct a metric space  $\mathcal{X}$  and a distance preserving map  $f: \mathcal{X} \rightarrow \mathcal{X}$  that is not a motion of  $\mathcal{X}$ .