

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} .