## MATH 113: DISCRETE STRUCTURES HOMEWORK FOR WEDNESDAY WEEK 4

Problem 1. 2.1.8 from DM:EB
Problem 2. Suppose that $n$ lines in the plane are drawn in such a fashion that no two are parallel and no three intersect in a common point. Prove that the plane is divided into precisely $\frac{n(n+1)}{2}+1$ regions by the lines.

