

Math 461 Geometry I
Fall 2013 Prof. Hajir
Homework 2

I. Readings: Read Chapters 2 and 3 of Lee.

II. Problems From the Book:

From Chapter 2 of Lee: do problems 2A, 2B, 2D, 2E, 2I, 2K, 2L.

For 2K and 2L, first write a two-column proof, and then translate it into a fluid, clear, and precise paragraph-style proof.

Statement of 2K and 2L:

2K: If A, B, C are non-collinear points, then A and B are distinct and C does not lie on the line AB .

2L: Given a line l and a point A that lies on l , there exists a point B that lies on l and is distinct from A .