

HOMEWORK 1

Problems assigned up to and including **Friday, 08/29**. The solutions are due on **Friday, 09/05**.

ASSIGNED MONDAY, 08/25.

Section 1.1: 12, 15, 20.

Section 1.2: 5, 7, 15.

ASSIGNED WEDNESDAY, 08/27.

Bonus problem A: Suppose we have n lines in a plane, in such a way that no two lines are parallel, and no three lines have a common point. Prove that these lines divide the plane into $(n^2 + n + 2)/2$ regions.

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The solutions.