

# ADDITIONAL FILES FOR UNIT I

## Basic material (may be covered on quizzes or examinations)

<http://math.ucr.edu/~res/math133/geometrynotes01.f13.pdf>

The course notes for this unit (not really an additional file).

<http://math.ucr.edu/~res/math133/examples0101.pdf>

<http://math.ucr.edu/~res/math133/examples0103.pdf>

<http://math.ucr.edu/~res/math133/examples0104.pdf>

<http://math.ucr.edu/~res/math133/examples0105.pdf>

Additional examples and solved problems for this unit of the course.

<http://math.ucr.edu/~res/math133/aabUpdate01f13.pdf>

<http://math.ucr.edu/~res/math133/aabUpdate02f13.pdf>

These files include lists of the assigned exercises for this unit of the course.

<http://math.ucr.edu/~res/math133/math133exercises01.f13.pdf>

<http://math.ucr.edu/~res/math133/math133exercises01a.f13.pdf>

<http://math.ucr.edu/~res/math133/math133exercises01b.f13.pdf>

The entire set of exercises for this unit of the course.

<http://math.ucr.edu/~res/math133/math133solutions01.f13.pdf>

<http://math.ucr.edu/~res/math133/math133solutions01a.f13.pdf>

<http://math.ucr.edu/~res/math133/math133solutions01b.f13.pdf>

<http://math.ucr.edu/~res/math133/math133solutions02a.f13.pdf>

<http://math.ucr.edu/~res/math133/math133solutions02a.figures.f13.pdf>

<http://math.ucr.edu/~res/math133/math133solutions02aa.f13.pdf>

These files contain solutions to exercises for this unit of the course, with one file of drawings to accompany some of the solutions.

## Supplementary material

<http://math.ucr.edu/~res/math133/geometrynotes00.f13.pdf>

This file is the Preface to the course notes.

<http://math.ucr.edu/~res/math133/braintest1.pdf>

<http://math.ucr.edu/~res/math133/braintest2.pdf>

<http://math.ucr.edu/~res/math133/braintest3.pdf>

<http://math.ucr.edu/~res/math133/braintest4.pdf>

Simple and in many cases whimsical exercises, included here in order to review and freshen logical deduction skills.

<http://math.ucr.edu/~res/math133/mathproofs.pdf>

This file summarizes the main types of mathematical proofs, with comments on their uses and descriptions of some common mistakes. **The material and techniques in this file are central to the structure of the course.**

<http://math.ucr.edu/~res/math133/centroids.pdf>

This file gives an illustrated derivation of the standard formulas for the center of mass (centroid) of a geometrical object or collection of such objects.

<http://math.ucr.edu/~res/math133/math133timetable-f13.pdf>

This file contains an approximate schedule for the coverage of topics in the course and the tentative dates of quizzes and examinations.

<http://math.ucr.edu/~res/math133/math133syllabus-f13.pdf>

This file lists the topics to be covered in the course. This outline corresponds to the units and sections in the course notes.

## **Optional material**

<http://math.ucr.edu/~res/math133/set-theory-notes.pdf>

A detailed account of the set theory used in the course. The contents correspond to the material in Mathematics 144. However, only the most basic material in this file will be needed or used in the present course.

<http://math.ucr.edu/~res/math133/crossrefsGreenbergA.pdf>

<http://math.ucr.edu/~res/math133/crossrefsGreenbergB.pdf>

<http://math.ucr.edu/~res/math133/crossrefsRyan.pdf>

Cross — references to some textbooks that had been used for this course.

<http://math.ucr.edu/~res/math133/oldreferences.pdf>

This is an old bibliography for a course similar to the present one. Although the listing is dated, some items on the list might turn out to be helpful.