# Homework assignments for Chapter I

First read **http://math.ucr.edu/~res/math133-2020/solutions/math133solutions00.pdf** and **http://math.ucr.edu/~res/math133-2020/solutions/polya.pdf** for suggestions on working these (and other mathematical) problems**.**

The following exercises are ***strongly recommended***:

**http://math.ucr.edu/~res/math133-2020/exercises/math133exercises01.pdf**

**Section I.0:** 2

**Section I.1:** 1, 2, 4, 7, 9, 16

**Section I.3:** 1, 2, 3, 6, 8, 9, 13

**Section I.4:** 4, 6, 9, 11

**http://math.ucr.edu/~res/math133-2020/exercises/math133exercises01a.pdf**

**Section I.3:** A1 – A3

**http://math.ucr.edu/~res/math133-2020/exercises/math133exercises01b.pdf**

**Additional exercises on logic (for Section I.0):** 47, 54, 55

***Finally,*** the quiz problems in **http://math.ucr.edu/~res/math133-2020/oldexams** are also recommended**.**

**SOLUTIONS** for the exercises (but not the quiz problems) are worked out in the following files**:**

**http://math.ucr.edu/~res/math133-2020/solutions/math133solutions01.f13.pdf**
**http://math.ucr.edu/~res/math133-2020/solutions/math133solutions01a.f13.pdf**
**http://math.ucr.edu/~res/math133-2020/solutions/math133solutions01b.f13.pdf**
**http://math.ucr.edu/~res/math133-2020/solutions/math133solutions01c.f13.pdf**

There is a misprint in the solution to **I.3.3:** The final coordinate for $a_1 - a_2$ should be **–2** instead of **0,** and this forces a correction to the lower right entry in the matrix**.** However**,** the corrected matrix is still invertible**,** and therefore ***the conclusion that the two lines do not have a common point is still correct***.