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MATC01: GROUPS AND SYMMETRY

Problem Set 0 – due by 11:59pm on Friday, September 20th, 2013

VALUE: This assignment, if completed on time and submitted correctly, will give you a bonus 1 percentage point added to your overall mark for the course. For example, if you have a mark of 69 at the end of the semester, and this assignment was accurately completed, your overall mark will be recorded as a 70.

INSTRUCTIONS: Please send me an email (to my preferred address: `<lgoldmak@math.toronto.edu>`) from your *official University of Toronto email address* with the following information:

1. The opening you plan to use in your emails to me this term (*Hint:* the answer should be something like 'Dear Leo', 'Hi Leo', 'Dear Professor Goldmakher' (if you're feeling formal), or some variation on these...)

2. Your name, in the format *Last name, First name* (as it appears on official documents).

3. How would you like me to address you in class (ie what is your preferred nickname)?

4. Which year are you? What's your course of study? (eg math specialist, math major & French major...)

5. List all the proof-based courses you have previously taken (along with the name of the instructor for each course).

6. How comfortable are you with basic modular arithmetic? For example, would you be able to solve the congruence $3x \equiv 1 \pmod 7$? (I don't care about finding an elegant solution – I just want to know whether you understand the statement and can come up with at least one way to solve it.)

7. In an ideal world, what would you like to do after you graduate? Please be as specific as possible.

8. Do you have conflicts with my office hours as currently scheduled? If so, what is the source of the conflict?