

Math 55—Fall 2012
Homework 1

Part I: The following exercises are not to be handed in, but you should do them in order to solidify your understanding of the reading and lectures. You can check your answers in the back of the textbook.

1.1: 3, 9, 15, 17, 21, 23, 25, 27

1.2: 17 (assume the professors speak truthfully, and do not know before the conversation whether the others want coffee).

1.3: 5, 7, 9, 41, 61

1.4: 5, 11, 19, 25, 49, 51

1.5: 1, 7, 9, 27, 39, 41

1.6: 3, 11, 15, 19, 23

1.7: 5, 9, 25

Part II: Problems to hand in. One or two problems will be selected for thorough grading. These will count 10 points each; the others 2 points each. Which problems are which will be revealed when solutions are posted.

1.2: 30

1.3: 24

1.4: 44

1.5: 28(a-e) (these count as one problem), 44

1.7: 8, 32, 34