

Math 495R Homework 2

- (1) In the ACME Introduction to Python lab 1, do Problem 4 (writing functions that give the first half and reverse of a string).
- (2) Write a function that, given an integer, returns the last two digits. Write a function that, given a positive integer, returns the integer with the last two digits deleted. If the integer is in the range  $[1, 99]$  it should return 0.
- (3) Write a program that finds all fractions like

$$\frac{16}{64} = \frac{1\cancel{6}}{\cancel{6}4} = \frac{1}{4}$$

of two digits over two digits that remain the same when identical digits are canceled.