

## Math 495R Homework 1

- (1) In the ACME Introduction to Python lab 1 in the Python Essentials document, do Problem 1 (writing a “Hello, world!” program).
- (2) In the ACME Introduction to Python lab 1 in the Python Essentials document, do Problem 2 (writing a function that gives the volume of a sphere).
- (3) Experiment and figure out the order of operations that Python uses for the operations  $+$ ,  $-$ ,  $*$ ,  $/$  (division),  $**$  (exponentiation), and  $\%$  (remainder after division) when more than one operation occurs in the same expression. Explain your process and conclusions.