

Math 1007 Fall 2025
Mathematics and Politics
Homework 7 Due on Blackboard
Wednesday, October 22 at 12:45 PM

Name:

Make sure to explain why all your answers are correct! Remember that you should be making short persuasive arguments. (This explanation can take the form of showing calculations, or of a couple sentences of writing, depending on the question.)

(1) Do *The Mathematics of Politics* problem 8.4

(2) Do *The Mathematics of Politics* problem 8.8

(Note this isn't just rounding each number arithmetically or geometrically or whatever; we want a collection of integers to add up to 100.)

(3) Do *The Mathematics of Politics* problem 8.10

(4) Do *The Mathematics of Politics* problem 9.14

(Somewhat tricky; try to get an early start!)