

Math 1007 Spring 2026  
Mathematics and Politics  
Homework 11      Due on Blackboard  
Tuesday, April 21 at 4:45 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 15.6

(2) Do *The Mathematics of Politics* problem 15.8

(3) Do *The Mathematics of Politics* problem 15.14

(Hint: if you can explain what the inequality is saying in words, that basically gives you the answer to the rest of the question.)

(4) Do *The Mathematics of Politics* problem 16.2 parts a, b, d