

Math 1007 Fall 2025  
Mathematics and Politics  
Homework 8      Due on Blackboard  
Tuesday, March 31 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 13.2

(2) Do *The Mathematics of Politics* problem 13.10

(The problem means that a player “wins” if they are the one making money; so Row wins with a payout of 2 but Column wins with a payout of  $-2$ .)

(3) Do *The Mathematics of Politics* problem 13.12