

# Math 242–HW 6 Rubric

Greg Knapp

November 19, 2018

There are 30 total points on this assignment.

1. 1 point for completion
2. 7 points. 1 point for a correct  $a$ , 1 point for a correct  $b$ , 2 points for correctly using the average value formula (e.g. writing down something like  $\frac{1}{3} \int_2^5 P(t) dt$ ), 2 points for correctly integrating  $P(t)$ , and 1 point for the final answer.
3. (a) 4 points. 2 points for showing some correct work to verify that  $L(0) = 0$  and 2 point for showing some correct work to verify that  $L(1) = 1$   
(b) 6 points. 2 points for writing in complete sentences, 2 points for correctly describing why  $L(0) = 0$  and 2 points for correctly describing why  $L(1) = 1$ .  
(c) 12 points.

For each country: 1 point for using the correct formula for Gini index, 3 points for correctly integrating the relevant function (awarding partial credit as appropriate), and 1 point for the final answer.

Also, 2 points for stating that the first model shows greater inequality (equivalently, less equality).

4. We didn't end up getting this far in class, so don't even grade this one for completion.