

Place your name on the back of this sheet of paper and nowhere else. Staple your answers face up on the front of this sheet of paper. Failure to follow these directions will cost you 10 points. Your assignment will be typed, except graphs can be drawn by hand and mathematical equations can be done by hand. Failure to type it will cost you 10 points. If you use double-sided printing or print on the back of scrap paper, I will give you one additional point.

1) (25 points) Draw the PPF for hats and computers. Illustrate the effects of a new factory which makes computer chips. Explain why the curve moved as drawn.

2) (25 points) Draw the PPF for books and pants. Illustrate the effects of an increase in the population. Explain why the curve moved as drawn.

3) (25 points) Draw the PPF for wheat and corn. The article tells how climate change induced weather changes are affecting wheat and maize (a.k.a. corn). Illustrate the effects of climate change on the PPF.

<https://www.barrons.com/news/china-warns-of-severe-threat-to-harvest-from-worst-heatwave-on-record-01661320213>

4) (25 points) Draw the PPF for face masks and sanitizer. Illustrate the effects of COVID-19 during 2020. Explain why the curve moved as drawn. **Hint: There are multiple correct answers depending upon how you interpret the question. However, your initial instinct is most likely wrong. The explanation is the most important part.**