**Optimization Assignment**

**Due Oct. 19**

Create your own optimization question.

1. Write a few sentences describing the scenario
2. Write (in bullet form) at least 5 statements that will be changed into inequalities
* make sure the inequalities form a polygon of constraints
* $x\geq 0$ and $y\geq 0$ cannot count toward your 5 statements
1. Write in a sentence words that will be changed into your optimizing function
2. Ask a question (are you looking for a maximum, minimum, the number of items that yield a max/min?)
3. Present a complete, neatly organized, solution.

\*Including at least one dotted line, decimal, or tie will really impress me.

\*You can always type your work if your handwriting is messy.

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