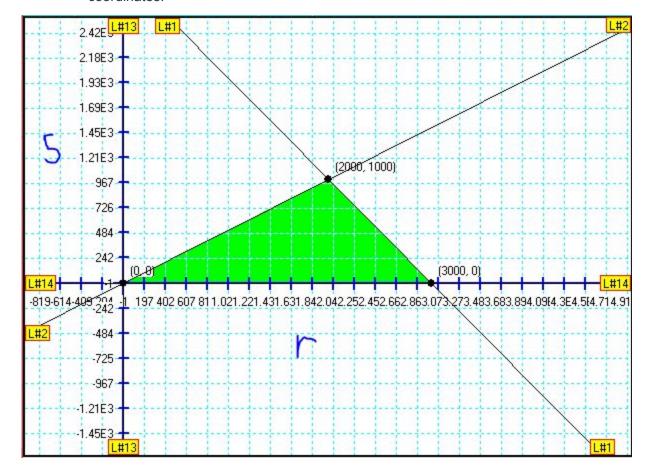
1. A linear program for deciding how much Regular Duff (use r to stand for this) and how much Duff Strong (use s to stand for this) Moe should buy, so as to maximize his profit. Be sure to include and clearly label the objective function and the constraints.

2. A graph that shows the feasible region for this linear program. Labelthe axes, highlight the feasible region, and label each vertex of the feasible region with its exact coordinates.



3. A table showing the value of the objective function at each vertex.

r	s	answer
0	0	0
3000	0	3000
2000	1000	3500

4. The solution to the linear program giving the number of pints of the two types of beer that Moe should buy to achieve the maximum possible profit, as well as that maximum profit.

r	s	solution
2000	1000	3500