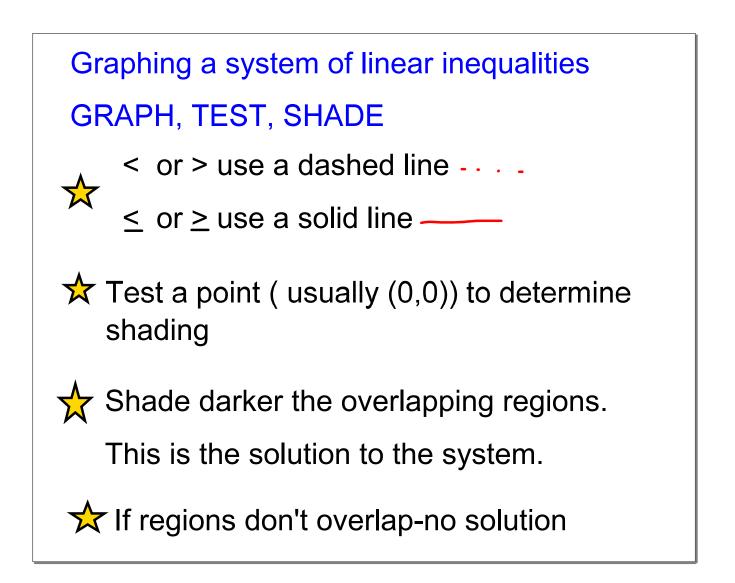
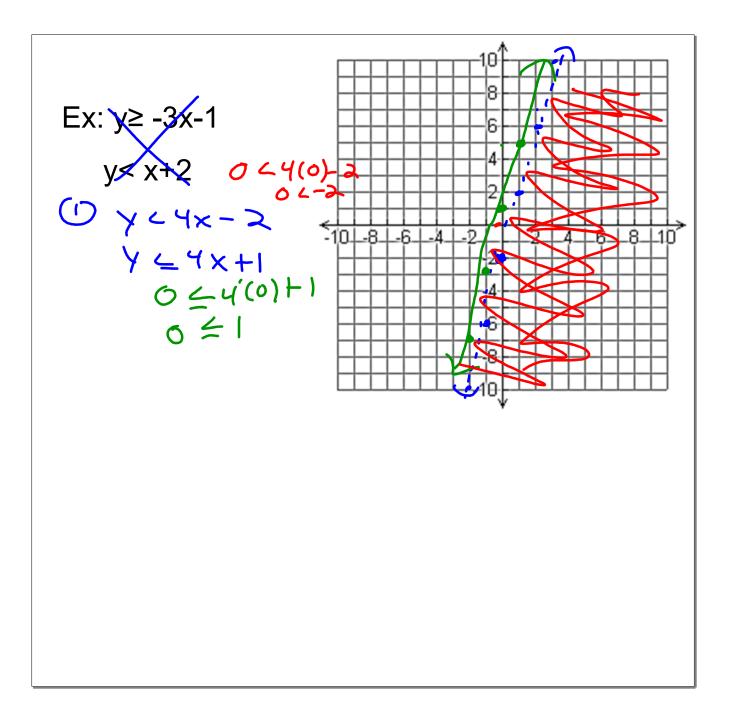
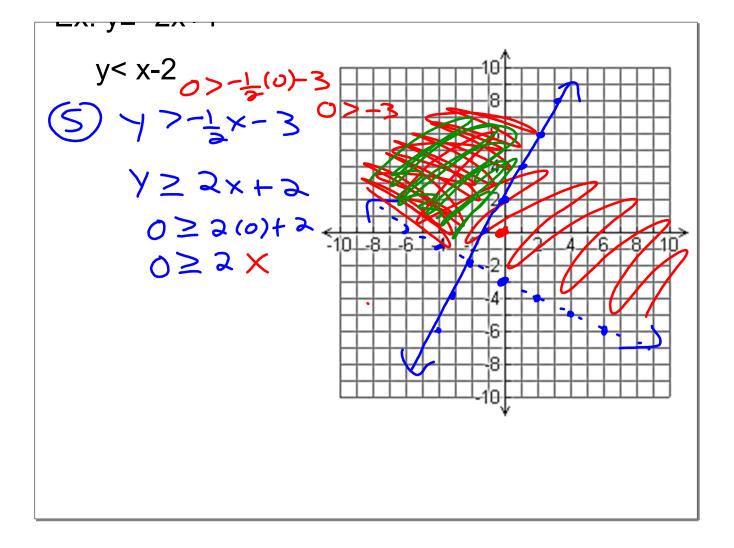
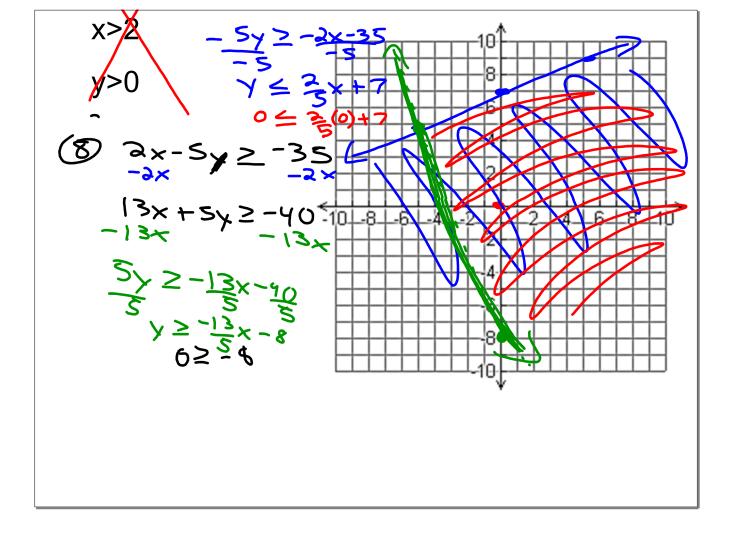


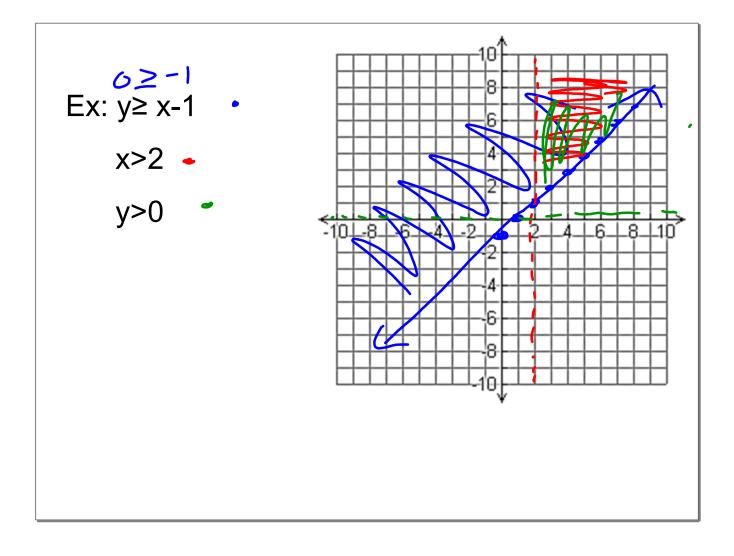
Chapter 3 Advanced Systems Analysis (3.3) Linear Inequalities and Linear Programming

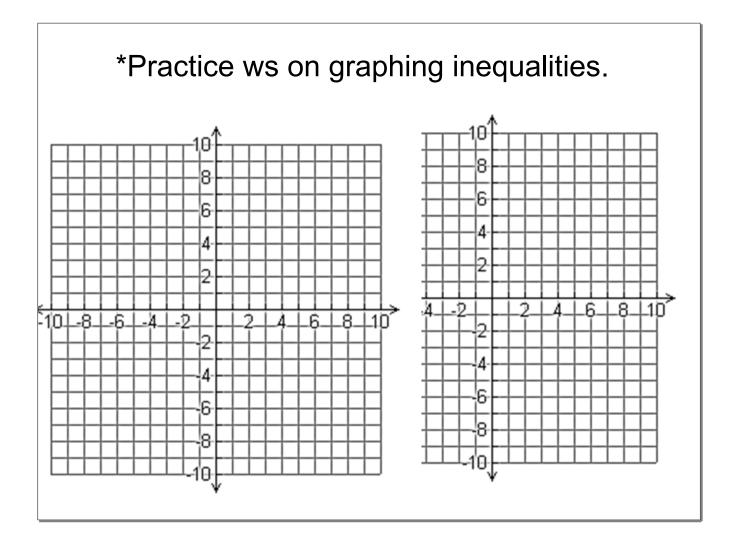












Linear Programming

What is it?

A mathematical technique for maximizing (revenue) or minimizing (costs) of a linear function of several variables

Who uses it?

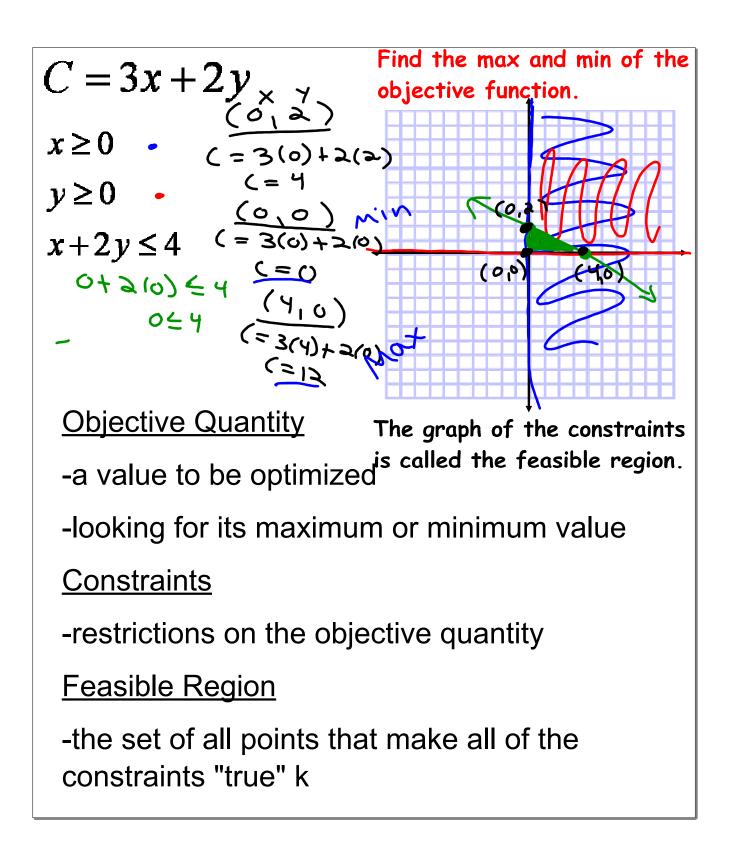
Computer Programmers

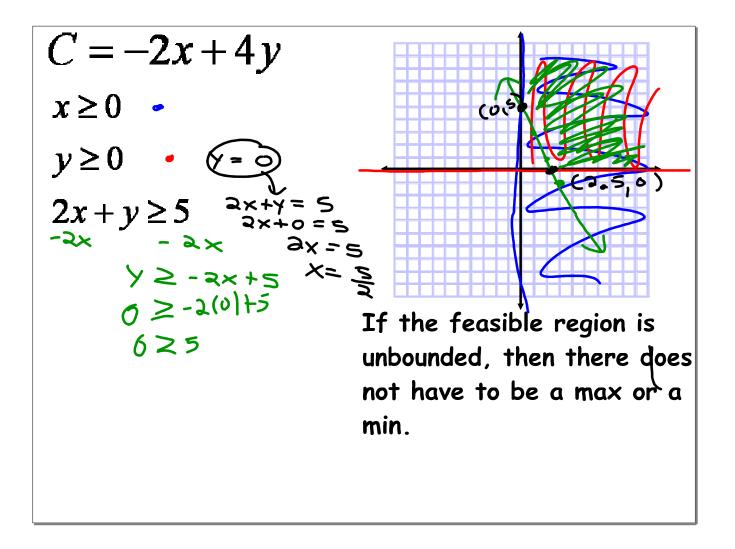
Restaurants (menu planning - optimizes meal production and increases restaurant profits)

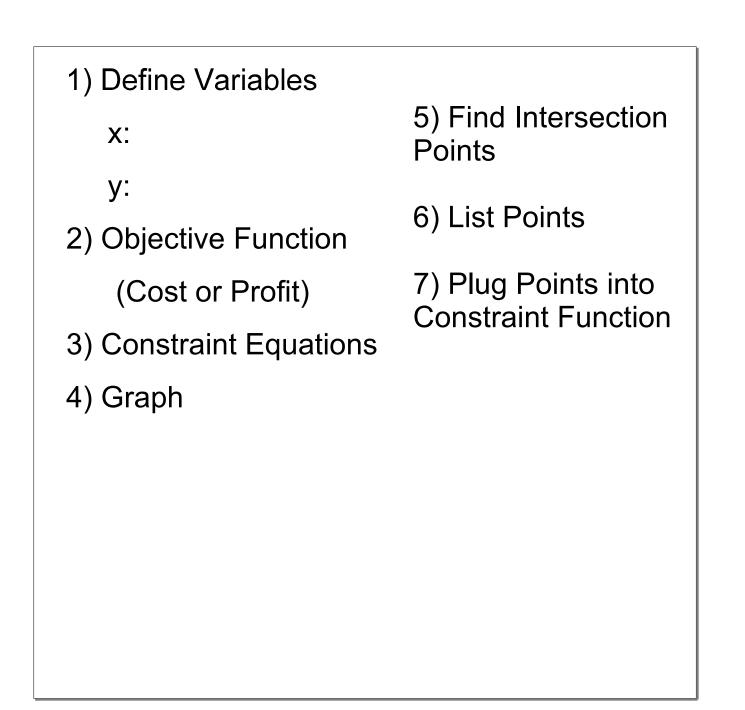
Coca - Cola (optimal production in bottling plants while keeping costs as low as possible = more money in their pocket)

Economics & Business (planning, routing, scheduling, assignments, and design)

Cell Phone Companies (network flow problems and fixing them)







Homework: Finish green ws Finish graphing inequalities ws Finish Linear programming packet