In designing Systems of Inequalities, some restrictions are TOO restrictive

Example: You have \$20 to spend and you go to McDonalds and A&W $x + y \le 20$

x is the money spent at McDonalds y is the money spent at A&W

Too restrictive: -- you spent \$14 at McDonalds and \$6 at A&W

Better:

-- you spent \$14 at McDonalds

In designing Systems of Inequalities, some restrictions are TOO restrictive

Example: You have \$20 to spend and you go to McDonalds and A&W

x is the money spent at McDonalds y is the money spent at A&W

Even better: -- you spent at least \$14 at McDonalds Once we shade in all of the regions, how Do we know which one is the one we want

(has the points that satisfy ALL of our Restrictions)

Test Points

Create a test point from each region
See to make sure if it works for EVERY inequality

Test point example: You have \$20 to spend and you go to McDonalds and A&W

x is the money spent at McDonalds y is the money spent at A&W

-- you can't spend more than \$20 total-- you spent at least \$7 at A&W



Test point example: You have \$20 to spend and you go to McDonalds and A&W

Which region is the one we want?



Part 2 of the writing:

-- Create a test point for EACH region of your graph in order to prove which region you want as a success