Math 200 Notes 11/6/2023. Please be sure to put away all phones and computers and take very detailed notes.



Example 11/Page 184: Nutt's nuts has 75 pounds of cashews and 120 pounds of peanuts. These are to be mixed in 1-pound packages as follow a low-grade mixture that contains 4 ounces of cashews and 12 ounces of peanuts and a high-grade mixture that contains 8 ounces of cashews and 8 ounces of peanuts.

(*a*) Use x to denote the number of packages of the low-grade mixture and use y to denote the number of packages of the high-grade mixture. Write a system of linear inequalities that describes the possible number of each kind of package.

 $x \ge 0$, $y \ge 0$ (each is positive...number packages..can't have -4 packages)

