1. Graph \(-8x + 6y \geq 24\). Your graph must include:

   A. The coordinates of the y-intercept. \((0, 4)\)
   
   B. The coordinates of the x-intercept. \((-3, 0)\)
   
   C. The appropriate shading for the inequality.

2. A special diet for a farm animal is to contain at least 150 units of protein. Each gram of food A contains 6 units of protein and each gram of Food B contains 4 units of protein. How many grams of each type of food should the farmer mix so that the animal gets at least 150 units of protein?

   Let \(x = \#\) of grams of food A and \(y = \#\) of grams of food B.

   Write a linear inequality for the protein requirement.

   \[
   6x + 4y \geq 150
   \]
   \[
   x \geq 0
   \]
   \[
   y \geq 0
   \]