Foreign Aid

One of the purposes of the United Nations is to have nations work together to help each other. Recently, the members of the U. N. decided to give grants to poor countries to help reduce poverty. However, the United Nations only has the resources to help those countries with the greatest need. Therefore, it was decided that only countries in which the number of people in poverty is more than one half of its total population would receive foreign aid.

a. A constraint is a limitation or a restriction. Write an inequality that represents the constraints on receiving foreign aid. Let $x$ represent the population and $y$ represent the number of people in poverty.

b. The graph below shows the number of people in poverty per the population for each of the countries being considered for foreign aid. Carefully graph your inequality from part (a) on the data graph below. Which countries should receive foreign aid?

Data from The World Bank Group, 2004