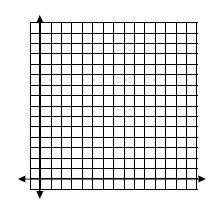
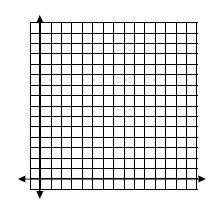
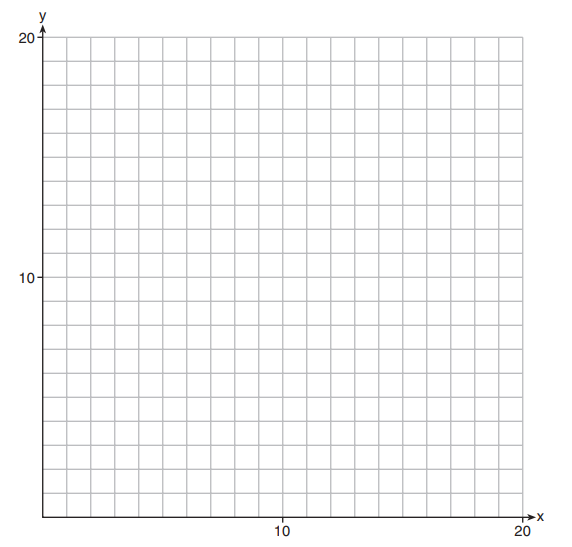
Name: Period: Graphing Systems of Inequalities Recap!

1. Sarahi knits scarves and sweaters to sell. Scarves take 2 hours to knit and sweaters take 10 hours. Mary would like to spend no more than 40 hours per week knitting and knit at least 5 items per week.
   1. Write and graph a system of linear inequalities:
   2. State one possible solution:
2. Cairo babysits for hours a week after school at a job that pays an hour. She has accepted a job that pays an hour as a library assistant working hours a week. She will work both jobs. She is able to work *no more than* 15 hours a week, due to school commitments. Edith wants to earn *at least* a week, working a combination of both jobs.

Write a system of inequalities that can be used to represent the situation. Graph them on the set of axes below.



Determine and state one combination of hours that will allow Cairo to earn *at least* per week while working 15 hours.