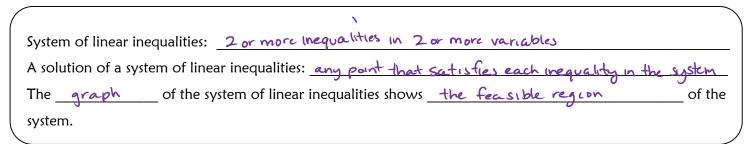
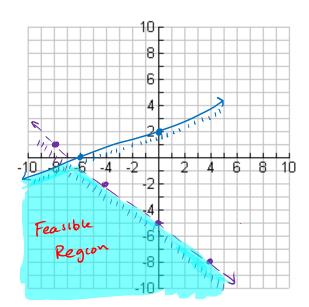
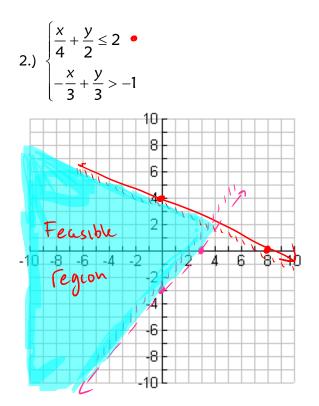
SOLVING SYSTEMS OF LINEAR INEQUALITIES

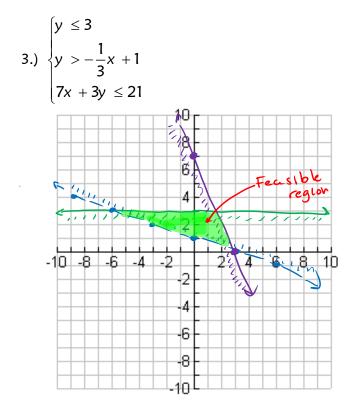


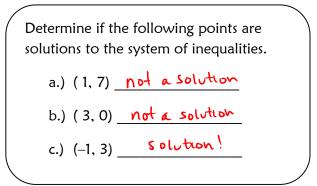


1.)
$$\begin{cases} y < -\frac{3}{4}x - 5 \\ -2x + 6y \le 12 \end{cases}$$

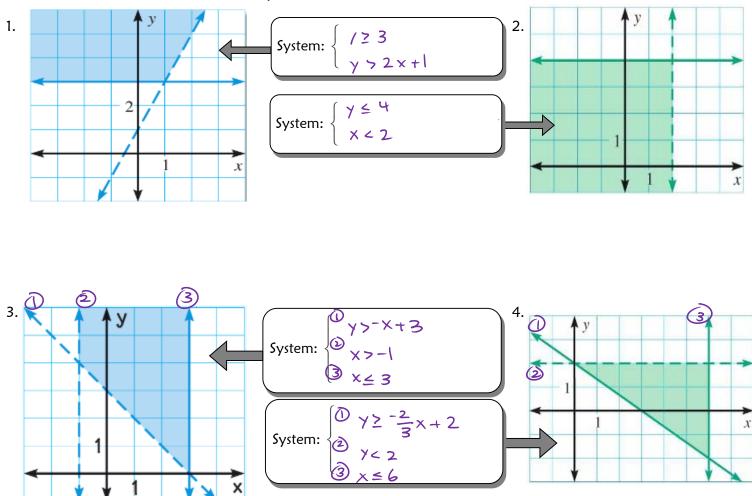








Ch 4 Day 16 Notes Write a system of inequalities for the shaded region. Give two ordered pairs that ARE solutions, and two that ARE NOT solutions to the system.



- 5.) You are taking a test in which items of type A are worth 10 points and items of type B are worth 15 points. It takes 3 minutes for each item of type A and 6 minutes for each item of type B. The total time allowed is 60 minutes, and you may answer more than 16 questions.
 - a.) Define the variables and write a system of linear inequalities. 20

Define the variables and write a system of model x = 4 of type A Qs y = 4 of type B Qs 3x + 6y = 60 4 of B Qs 4 of B Qs 4 of B Qs 4 of B Qs

- b.) Graph your solution on the provided grid.
- c.) State three combinations of A and B guestions that would comply with the above constraints.

Any point that lies win the feasible region, or on the boundary lines.

