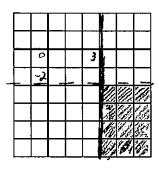
## Lesson 21 Systems of Linear Inequalities

## Steps to Follow:

- 1. Graph each individual inequality separately
- 2. The final solution is the overlap of the two graphs

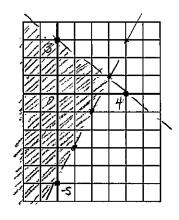
Example: Graph the solution to the system of linear inequalities.

$$1. \begin{cases} x \ge 3 \\ y < -2 \end{cases}$$



2. 
$$\begin{cases} y > 2x - 5 & \textcircled{0} \\ 3x + 4y < 12 & \textcircled{2} \end{cases}$$

1) 
$$m=2$$
 (2)  $\frac{X}{0}$   $\frac{Y}{0}$   $\frac{X}{3}$  dashed dashed  $\frac{Abeve}{0+0 < 12}$ 



3. 
$$\begin{cases} y \ge -x + 2 & \textcircled{0} \\ 2x + 4y < 4 & \textcircled{2} \end{cases}$$

