FLIP VIDEO LESSON (rmsalgebra.weebly.com)

## Graphing Linear Inequalities

Example 1: $y \geq-\frac{3}{4} x+1$


Example 2:
$y \leq 3 x-4$
Example 3:
$y<-x+3$



Example 4: $\quad x>-2$


Example 5: $\quad y \leq 1$


## Example 6:

$$
3 x-2 y \geq-8
$$

## SUMMARY



In this FLIP, we learned that the solution set to a linear inequality is any ordered pair that makes the inequality true.

In order to graph the solution set, we first have to graph the boundary line.
Next, we shade the half plane that contains all the solutions to the linear inequality.
Remember: in order to use the slope-intercept method of graphing, the inequality needs to be transformed into " $y=m x+b "$ form.

