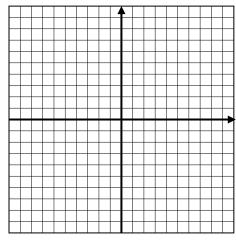
6.2 - Exploring Graphs of Systems of Linear Inequalities

$$x + y = 5$$
$$2x - y = -2$$



Example 1: Using desmos.com, graph the system (similar to that one above). How is it similar? How is it

$$x + y > 5$$

$$2x - y > -2$$

Example 2: Graph this system of linear inequalities. Justify your representation of the solution set.

$$\{(x,y)|x+y\leq 5, x\in I, y\in I\}$$

$$\{(x,y)|x+3y>0,x\in I,y\in I\}$$

