

Unit 1 Day 4 Warm Up  
Systems of Inequalities

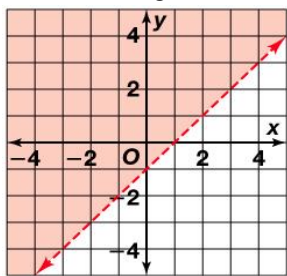
Example:

$$-x + y > -1$$

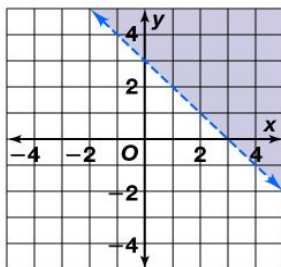
$$x + y > 3$$

Graph each inequality. First graph the boundary lines. Then decide which side of each boundary line contains solutions and whether the boundary line is included.

$$-x + y > -1$$

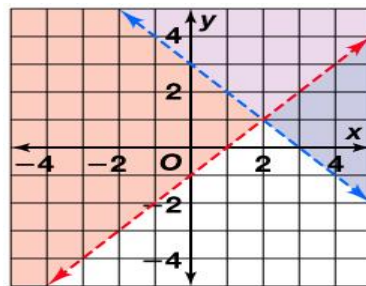


$$x + y > 3$$



$$-x + y > -1$$

$$x + y > 3$$



More Examples

$$3x + 2y \leq -1$$

$$x + 4y > -12$$

$$y > \frac{2}{3}x + 2$$

$$y < \frac{2}{3}x - 1$$

