

Graph the following:

$$y \geq -x + 10$$

x	y
0	10
10	0

$$y = -x + 10$$

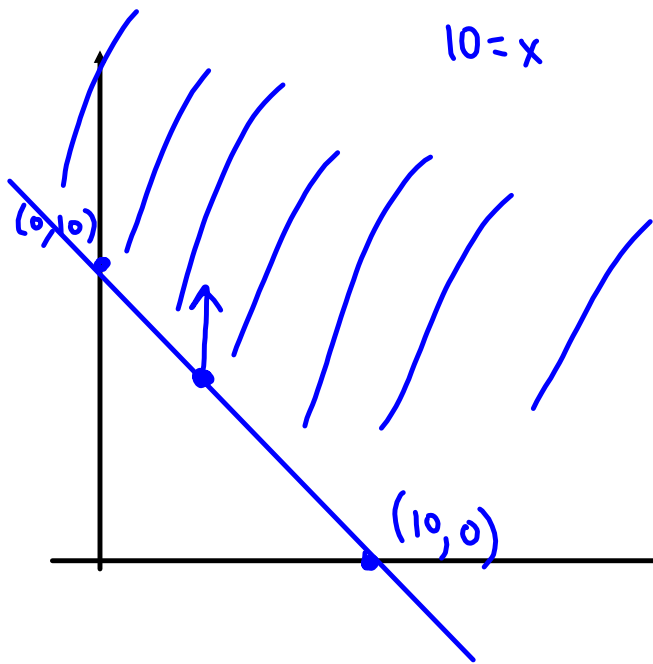
$$y = -(0) + 10$$

$$y = 10$$

$$0 = -x + 10$$

$$-10 = -x$$

$$10 = x$$



$$y < 2x - 5$$

$$y = 2x - 5$$

$$y = 2(0) - 5$$

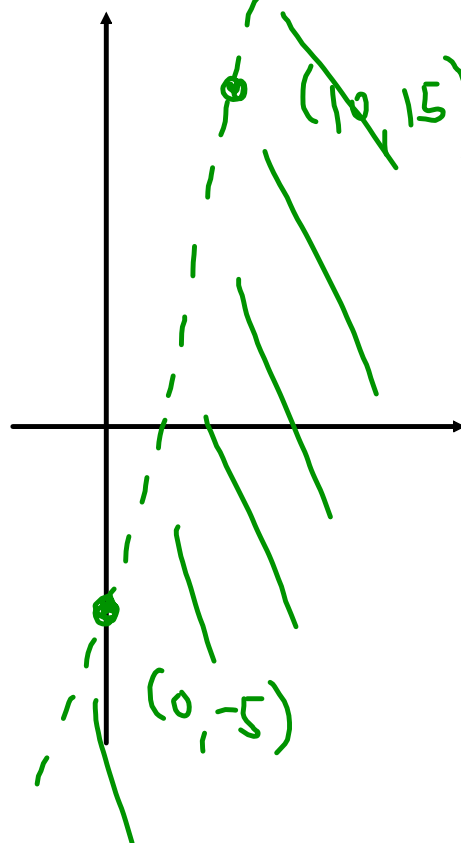
$$y = -5$$

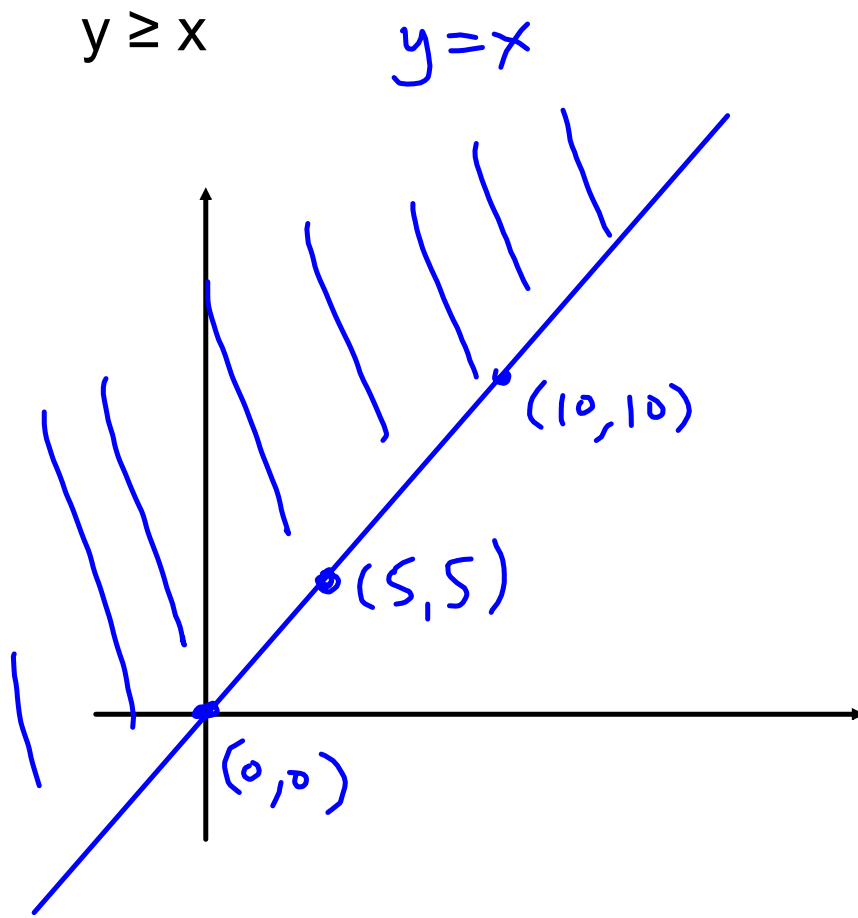
$$(0, -5)$$

$$y = 2(10) - 5$$

$$= 15$$

$$(10, 15)$$





$$2x - y + 8 < 0$$

Homework:

$$2x - y + 8 = 0$$

$$2(0) - y + 8 = 0$$

$$-y + 8 = 0$$

$$8 = y$$

$$(0, 8)$$

$$(-4, 0)$$

$$2x - y + 8 = 0$$

$$2x - (0) + 8 = 0$$

$$2x + 8 = 0$$

$$-8 - 8$$

$$\frac{2x}{2} = \frac{-8}{2}$$

$$x = -4$$

$$(-4, 0)$$

