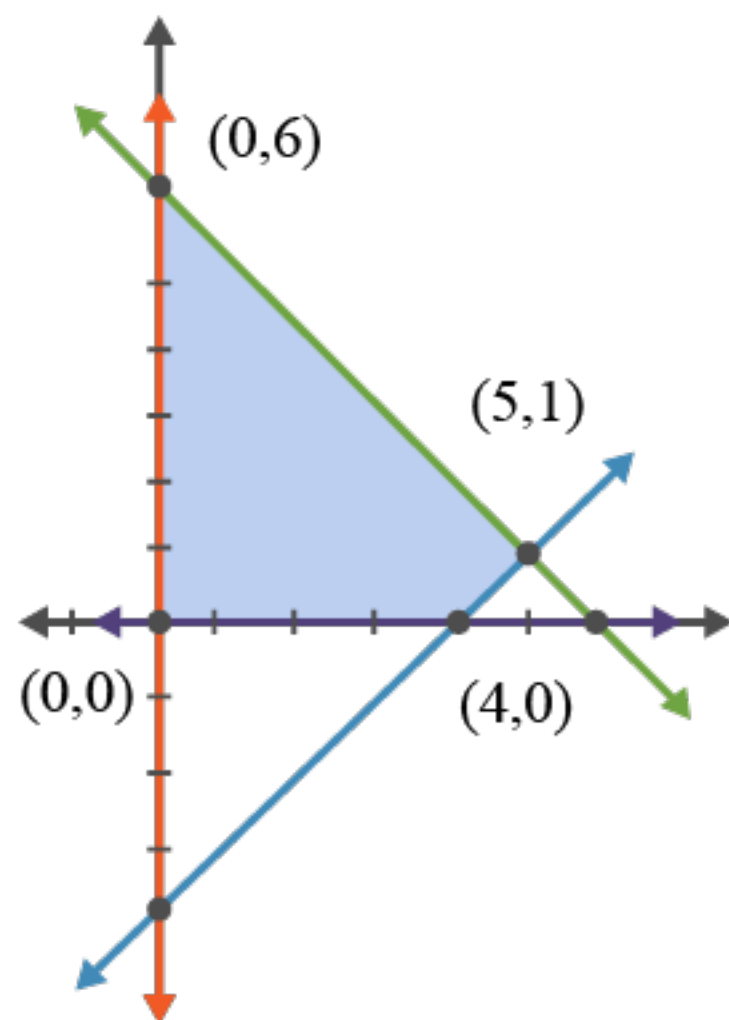


*constraints:* 
$$\begin{cases} x + y \geq 6 \\ x - y \geq 4 \\ x \geq 0 \\ y \geq 0 \end{cases}$$

*Objective Function:*  $C = 2x + y$



$(0,0): C = 2(0) + (0) = 0$  minimum

$(0,6): C = 2(0) + (6) = 6$

$(5,1): C = 2(5) + (1) = 11$  maximum

$(4,0): C = 2(4) + (0) = 8$