

Caso no acotado

$$\text{Max } z = 2x + y$$

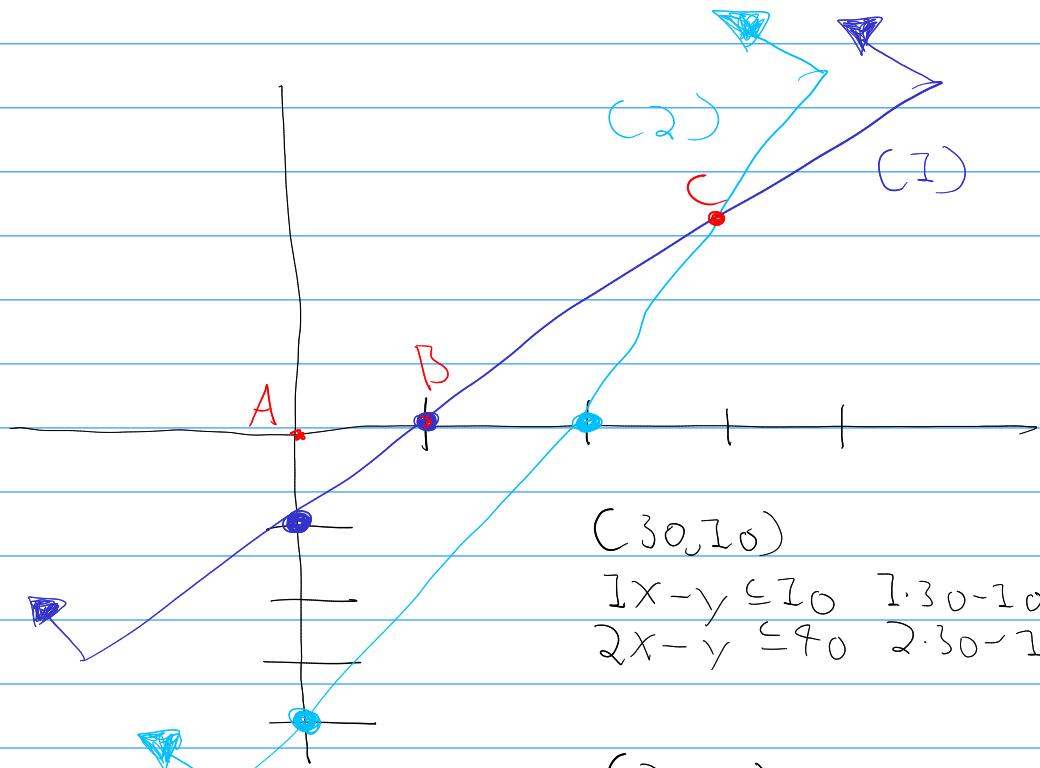
Sujeto a:

$$x - y \leq 10 \quad (1)$$

$$2x - y \leq 40 \quad (2)$$

$$x, y \geq 0 \quad (3)$$

(1)	(2)
$x - y \leq 10$	$2x - y \leq 40$
$x - y = 10$	$2x - y = 40$
si $x = 0 \Rightarrow y = 10$	si $x = 0 \Rightarrow y = -40$
$(0, 10)$	$(0, -40)$
si $y = 0 \Rightarrow x = 10$	si $y = 0 \Rightarrow x = 20$
$(10, 0)$	$(20, 0)$



$$(30, 20)$$

$$\begin{aligned} x - y &\leq 20 & 1 \cdot 30 - 10 &= 20 \quad X \\ 2x - y &\leq 40 & 2 \cdot 30 - 20 &= 50 \quad X \end{aligned}$$

$$(20, 0)$$

$$\begin{aligned} x - y &\leq 0 & 1 \cdot 20 - 0 &= 0 \quad X \\ 2x - y &\leq 40 & 2 \cdot 20 - 0 &= 40 \quad X \end{aligned}$$

$$A(0,0) \quad 2 \cdot 0 + 0 = 0$$

$$B(10,0) \quad 2 \cdot 10 + 0 = 20$$

$$C(30,20) \quad 2 \cdot 30 + 20 = 80$$