Q.280 # 10

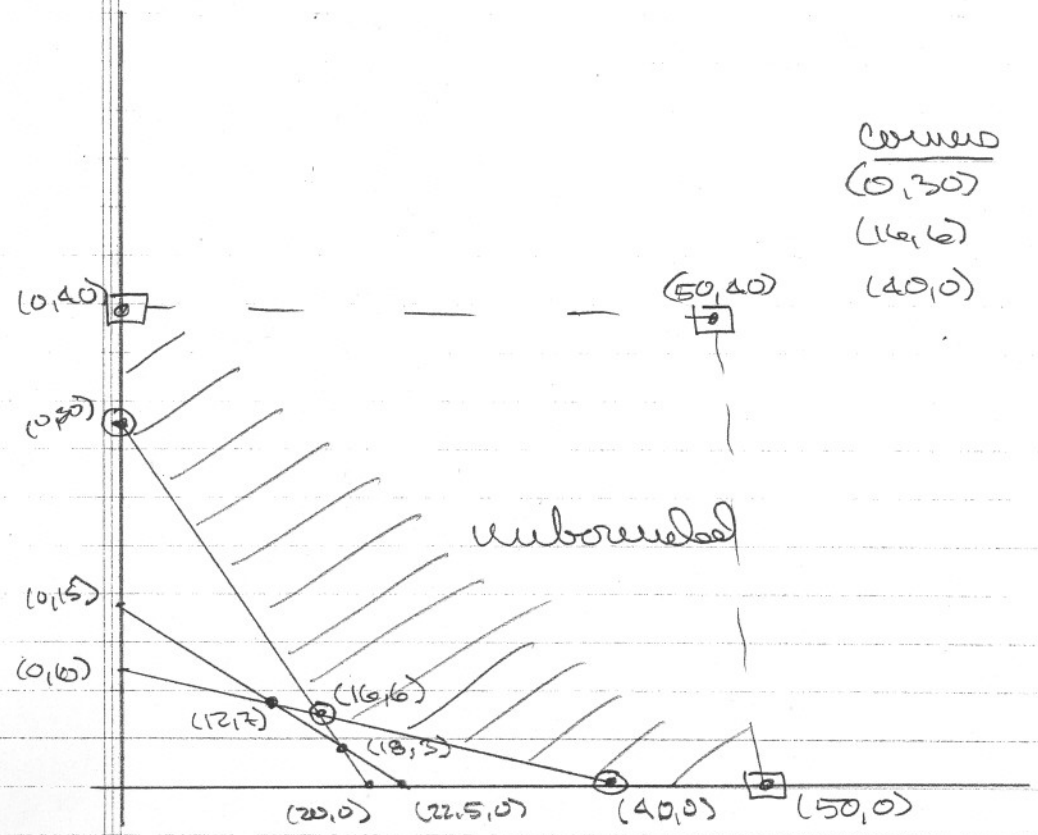
Minimize $C = 0.4x + 0.1y$

subject to $30x + 20y \geq 600$

$0.1x + 0.4y \geq 4$

$0.2x + 0.3y \geq 4.5$

$x \geq 0, \quad y \geq 0$



Corners	$C = .4x + .1y$
(0,30)	3
(16,6)	7
(40,0)	16

Minimum?

New corners	$C = .4x + .1y$
(0,40)	4
(50,40)	24
(50,0)	20

Minimum is 7.