RESPUESTAS PARCIAL I MICROECONOMÍA I 2011

PARTE 1 (TEST)

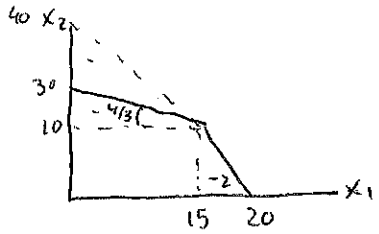
Mañana a	Mañana b	Tarde a	Tarde b	English
1. d	1. a	1. d	1. e	1. e
2. d	2. d	2. d	2. d	2. e
3. a	3. d	3. d	3. d	3. a
4. e	4. a	4. d	4. e	4. d
5. d	5. e	5. e	5. d	5. e

PARTE 2

Mañana

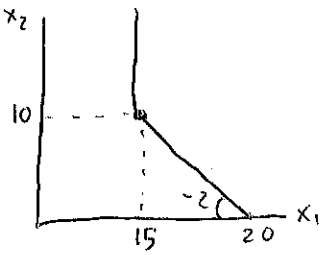
a) $4x_1 + 2x_2 = 80$ si $x_2 \leq 10$

$4x_1 + 3x_2 = 90$ si $x_2 > 10$



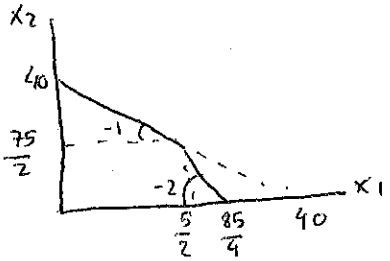
b) $4x_1 + 2x_2$ si $x_2 \leq 10$

$x_1 = 15$ si $x_2 > 10$



c) $2x_1 + 2x_2 = 80$ si $x_1 \leq 5/2$

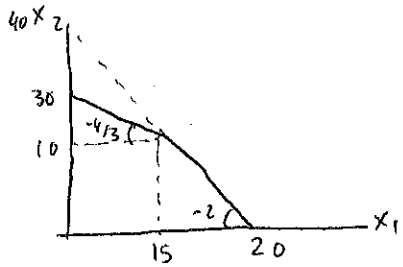
$4x_1 + 2x_2 = 85$ si $x_1 > 5/2$



Tarde

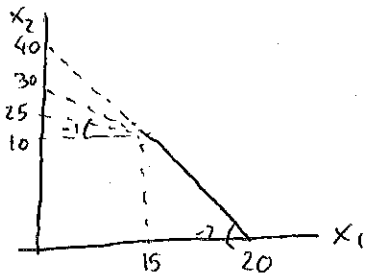
a) $8x_1 + 4x_2 = 160$ si $x_2 \leq 10$

$8x_1 + 6x_2 = 180$ si $x_2 > 10$



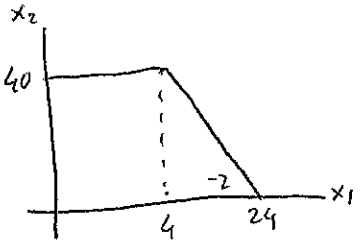
b) $8x_1 + 4x_2 = 160$ si $x_2 \leq 10$

$8x_1 + 8x_2 = 200$ si $x_2 > 10$



c) $4x_2 = 160$ si $x_1 \leq 4$

$8x_1 + 4x_2 = 192$ si $x_1 > 4$



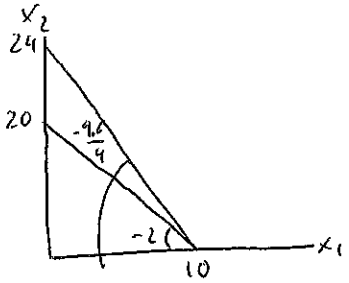
English

a) $8x_1 + 4x_2 = 80$

$m = 80 \rightarrow m' = 9.6$

$p_1 = 8 \rightarrow p_1' = 9.6$

$p_2 = 4$

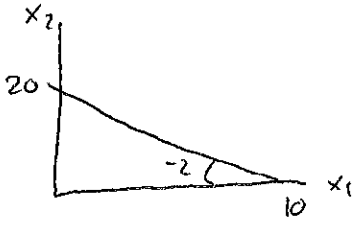


b) $m' = 9.6$

$p_1' = 9.6$

$p_2' = 4.8$

$9.6x_1 + 4.8x_2 = 9.6$



c) They are the same as the original budget constraint. If both prices increase by the same proportion, no matter what I consume, is as if income was reduced by that same proportion $\Rightarrow$ $p_1 x_1 + p_2 x_2 = m \Rightarrow$ ~~(illegible)~~

with $0 \leq t \leq 1$ $\hookrightarrow (tp_1)x_1 + (tp_2)x_2 = tm$

slope: $-\frac{tp_1}{tp_2} = -\frac{p_1}{p_2}$