

Professor Galvez-Soriano (UH)

$$Q = Q^{5}$$

20,000-1,000P=-12,000+3,000P

20,000+12,000-1,0007=3000732,000 = 3,0007+1,000

4,000P=32,000=7_2

Professor Galvez-Soriano (JJH) **Intermediate Microeconomics** +=71000-1,000(3)=20,0042,000+3,000P=-12,000+3,000(8)=-12,000+24,000=12,000

$$Q^{P} = 20,000 - 1,000P$$

$$Q = 20,000 - 1,000P$$

$$Q^{2} = 20$$

$$Q^{3} = 20$$

$$Q^{5} = -12,000 + 3,000P = 7P_{c}^{5} = 20$$

$$Q = -12,000 + 3,000P = 7P_{c}^{5} = 20$$

$$Q^{5} = -1/000 + 2/000$$

$$2/000 P = 1/000 + Q^{5}$$

$$P = \frac{1}{2} + \frac{1}{2/000}$$

$$1 + \frac{1}{2} + \frac{1}{2/000}$$

$$1 + \frac{1}{2} + \frac{1}{2/000}$$

Professor Galvez-Soriano (UH) **Intermediate Microeconomics** 6,000-1,500P=-1,000+7,000

$$Q^{P} = 20 - 2P$$

$$2P + Q^{P} = 20 - 2P + 2P$$

$$2P + Q^{P} - Q^{P} = 20 - Q^{P}$$

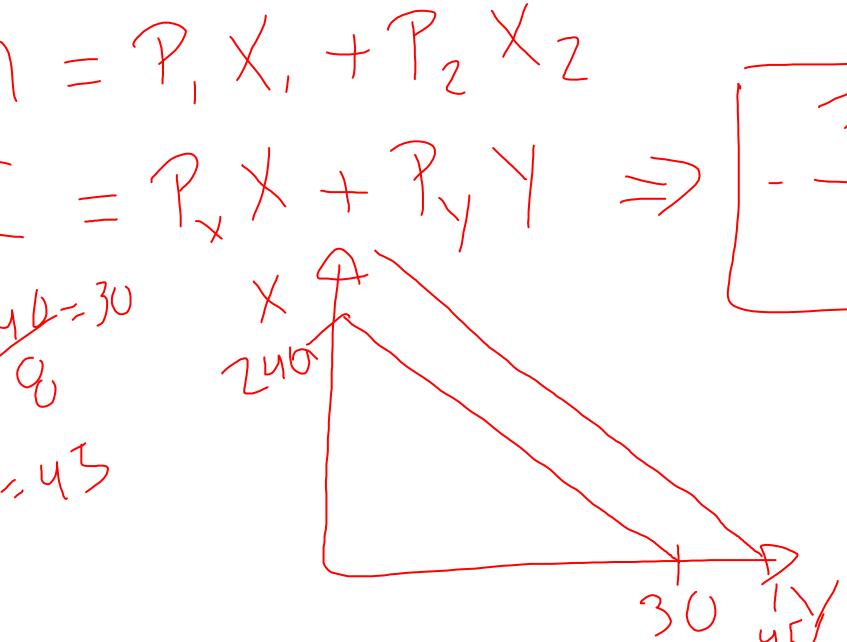
$$P = \frac{20}{2} - \frac{Q^{P}}{2}$$

$$P = 10 - \frac{1}{2}Q^{P}$$

$$(\Lambda(x,y) = Hx+2y$$

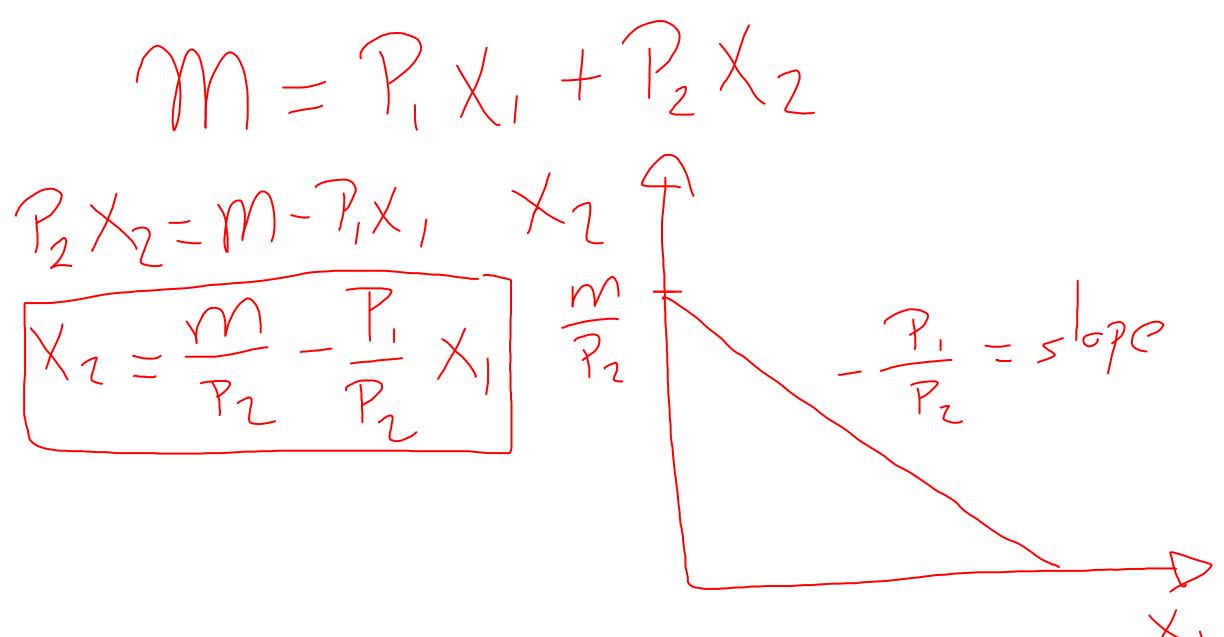
 $(2,H) = M(2,H) = H(2)+2(H)$
 $(2,H) = 8+8=16$

$$U(x,y) = 4x + 2y$$
 $MU_{x} = \frac{3u(1)}{3x} = 4$
 $MU_{y} = \frac{3u(1)}{3y} = 2$



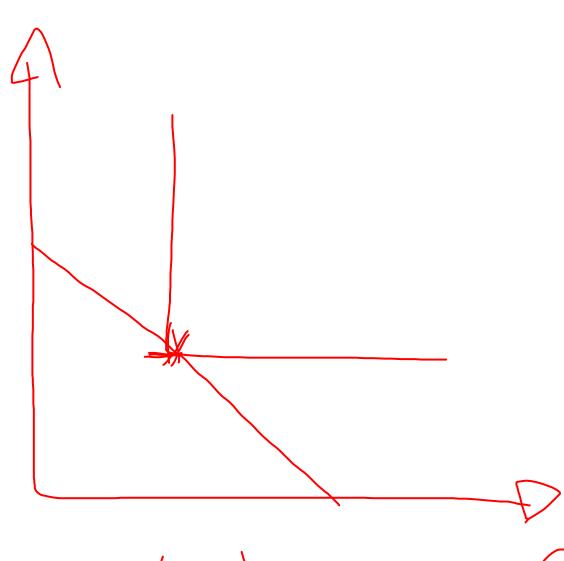
$$x = 15 - \frac{15}{2}$$

$$\frac{1}{P_{i}} = \frac{30}{15} = \frac{60}{15} = 4$$



$$((C,S) = min \{C,S\}$$

$$C = S = X$$



$$\chi = \frac{12(10)}{6} = 20$$

 $U(x_{1}, x_{2}) = X_{1} + 5 \times 2$ $X_{1} = U - 5 \times 2 \times 2$

 $() = \frac{1}{4} - 5 \times 2$

X2 = 15

$$x_1 = 10 - 10 x$$

Professor Galvez-Soriano (UH) **Intermediate Microeconomics**

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Max $U(\cdot) = X_1 X_2$

St

 $\gamma m = P_1 \times_1 + P_2 \times$

 $MRS = \frac{P_1}{P_2}$

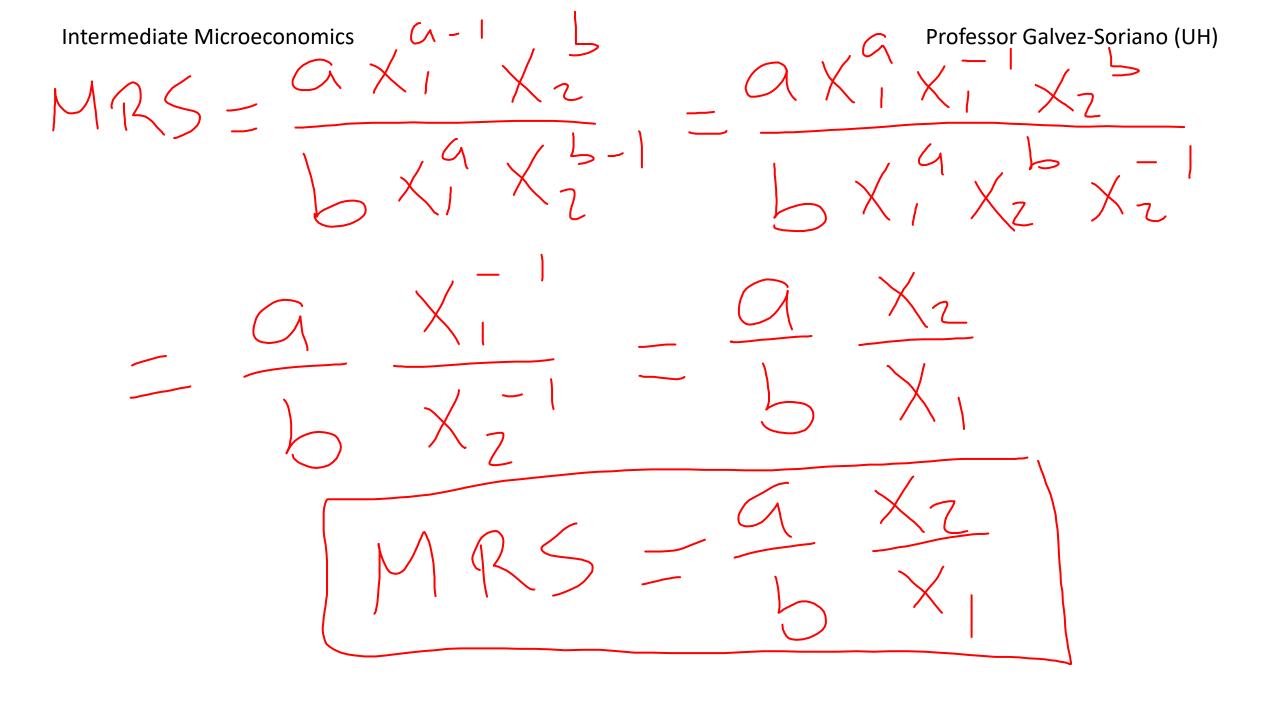
 $MRS = \frac{MU_1}{MU_2}$

\[CS=(\frac{1}{2})*(80)*(400)=16,000\]

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Intermediate Microeconomics

MU =
$$\frac{\partial U(\cdot)}{\partial x_1}$$
 = $\frac{\partial U(\cdot)}{\partial x_2}$ = $\frac{$



MRS = }

 $\frac{\mathcal{A}}{\mathcal{A}} = \frac{\mathcal{Y}_1}{\mathcal{P}_2}$

 $\frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \times 1$

 $M = P_1 X_1 + P_2 X_2$ $M = P_1 X_1 + P_2 \left[\frac{b}{a} \frac{P_1}{R} X_1 \right]$

Intermediate Microeconomics $M = \frac{A+b}{A} P_1 X_1$

$$X_{2} = \frac{b}{a} \frac{P_{1}}{P_{2}} X_{1}$$

$$X_{2} = \frac{b}{a} \frac{P_{1}}{P_{2}} \left(\frac{A}{A+b} \right) \frac{M}{P_{1}}$$

$$X_{2} = \left(\frac{b}{a+b} \right) \frac{M}{P_{2}}$$

$$NUZ = \frac{MU_1}{MU_2} = \frac{G}{MU_2}$$

$$M(\cdot) = \frac{G}{MU_1} = \frac{G}{G}$$

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$$M(\cdot) = \frac{G}{MU_1} = \frac{G}{G}$$

$$M(\cdot) = \frac{G}{MU_2} = \frac{G}{G}$$

$$X_{1}^{*} = \begin{cases} \frac{P_{1}}{P_{1}} & \frac{q}{P_{2}} \\ \frac{q}{P_{1}} & \frac{q}{P_{2}} \\ \frac{q}{P_{2}} \\ \frac{q}{P_{2}} \\ \frac{q}{P_{2}$$

$$\max(X_1,X_2) = \min\{\alpha X_1, b X_2\}$$

$$\leq \lim_{x \to \infty} m = P_1 X_1 + P_2 X_2$$

$$\frac{1}{2}$$

$$X_1 = \frac{2}{\alpha} X_2$$

$$M = P_1 X_1 + P_2 X_2$$

$$M = P_2 = P_3 X_2 + P_2 X_3$$

$$M = P_1 = P_2 + P_2 X_3$$

$$X_1 = P_2 = P_3 + P_2 = P_3 + P_2$$

$$X_2 = P_3 = P_3 + P_2$$

