

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

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

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

$$Q^{2} = 20$$

$$Q^{3} = 20$$

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

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

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

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

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

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

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

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

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

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

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

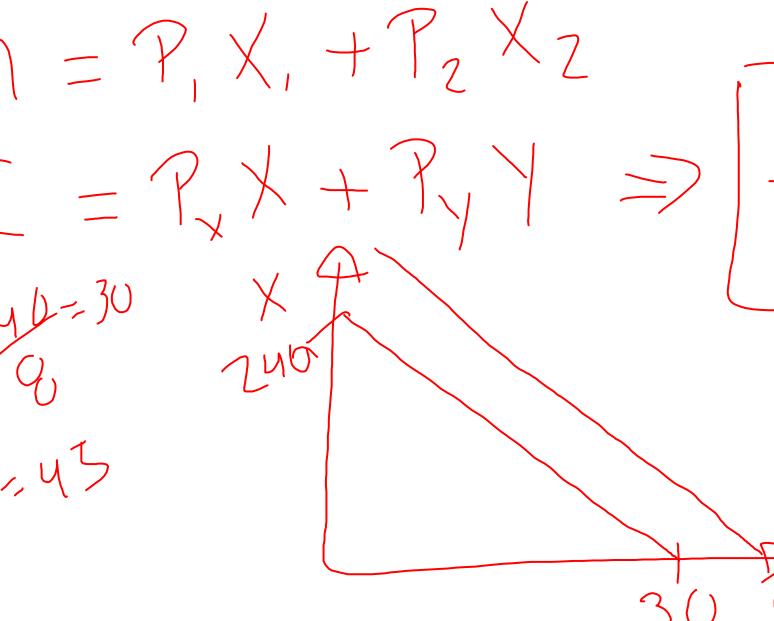
$$P = \frac{20}{2} - \frac{Q^{P}}{2}$$

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

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

 $(2,H) \Rightarrow U(2,H) = 4(2)+2(4)$
 $U(2,H) = 8+8=16$

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



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

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

$$M = P_1 X_1 + P_2 X_2$$

$$P_2 X_2 - M - P_1 X_1 X_1$$

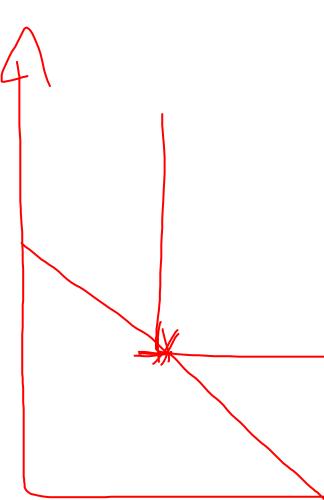
$$X_1 = \frac{M}{P_2} - \frac{P_1}{P_2} X_1$$

$$X_2 = \frac{M}{P_2} - \frac{P_1}{P_2} X_1$$

$$\bigcirc$$

$$(I(C,S)=Min\{C,S\}$$

$$C = S = X$$



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

 $U(1,1,1,2) = X_1 + 5 X_2$ $X_1 = U_1 - 5 X_2 = 0$

 $0 = \overline{U} - 5 \times \overline{z}$

X2 = 15

$$= 10 - x$$