$$F(x) \wedge G(x)$$

$$Jf(x) \cdot G(x) = Jf$$

$$J(x) \wedge G(x) = Jf$$

T = TR(Q) - T(Q)

JT((.)
_ (.)

1(-1)=) MR=1

Professor Galvez-Soriano (UH)

$$Q = 200 - \frac{1}{5}P$$

 $\frac{1}{5}P = 2(0) - (2)$

P = 1,000 - 5Q

TR = PQ = (1,000 - 5Q) *Q

TR=1,000Q-5Q





Intermediate Microeconomics Professor Galvez-Soriano (UH) Professor Galvez-soriano (OH)

Refinediate Microeconomics

Refinediate Microeconomics MR = 1,000 - 2(5)0MR = 1,000 () - 10 ()

$$Q = 10 - \frac{2}{5}P$$

$$\frac{2}{7}P = 10 - Q = P = \frac{5}{2}10 - \frac{5}{2}G$$

$$\frac{7}{7}P = \frac{25 - \frac{5}{2}Q}{7} = \frac{7}{7}P = \frac{7}{2}Q$$

$$+R = P(Q) \cdot Q = (25 - \frac{5}{2}Q) \times Q$$

$$+R = \frac{25Q - \frac{5}{2}Q^{2}}{2}$$

Microeconomics
$$= \frac{dTR(Q)}{dQ} = \frac{d(25Q - \frac{5}{2}Q^2)}{dQ}$$

$$MR = 25 - 2(\frac{5}{2})Q^{7-1} = 25 - 5Q$$

$$1002 - 25$$

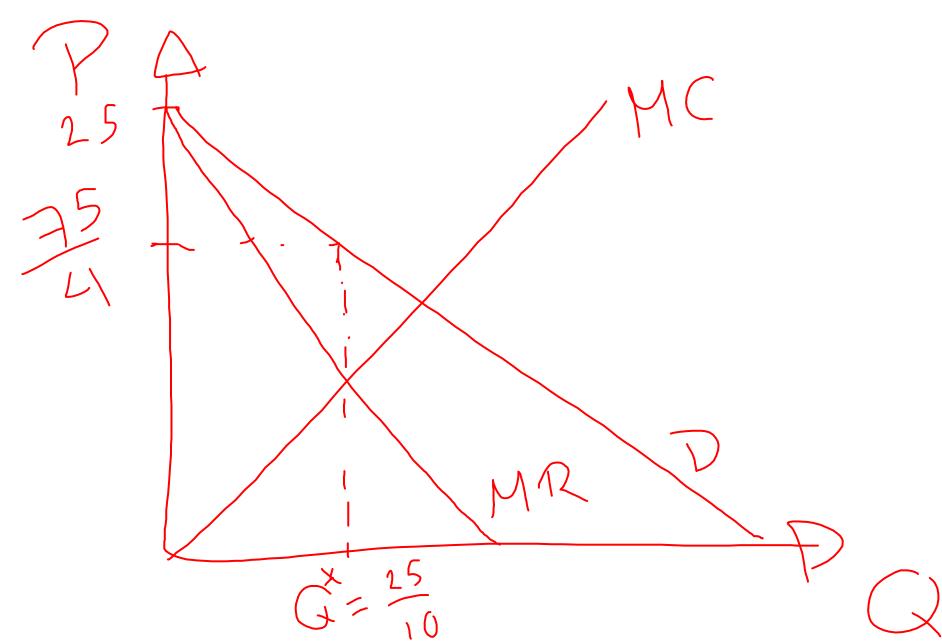
$$G = \frac{25}{10} - 2.5$$

$$\left(\begin{array}{c} x \\ - 10 \end{array} \right)$$

$$(\frac{25}{10}) = 25 - \frac{123}{4}$$

$$P = \frac{4(25)}{4}$$

$$-\frac{25}{4} - \frac{35}{4} = 18.75$$



$$P = 1,000 - 5Q \qquad M(-250)$$

$$TR = P(Q) \cdot Q = 1,000 - 5Q + Q = 1,000 - 5Q$$

$$MR = \frac{dTRI}{dQ} = 1,000 - 10Q$$

$$MR = M(-250)$$

$$1,000 - 10Q = 250$$

$$10Q = 750 \implies Q^* = 75$$

$$P = 1/000 - 5(75) - 1000 - 375$$

$$P = 1400 - 5Q \qquad MC = 200$$

$$TR = P(A)*Q = (1400 - 5Q)Q = 1400 - 3Q$$

$$MR = \frac{dTRH}{dQ} = 1400 - 10Q$$

$$MR = MC \Rightarrow 1400 - 10Q = 200$$

$$10Q = 1,200 \Rightarrow Q* = 120$$

$$P = 1400 - 5(120) = 1,400 - 600$$

$$P* = 800$$