$$O_1 = 20$$
  $R_1 = 20(60) = 1200$ 

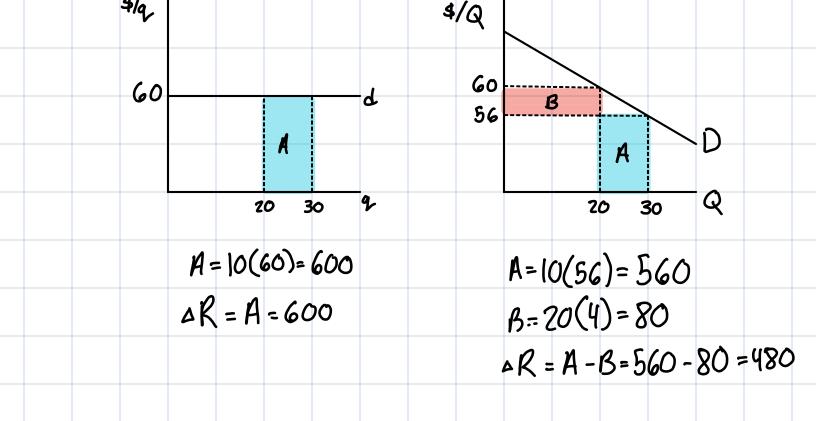
$$O_2 = 30$$
  $R_2 = 30(60) = 1800$ 

$$MR = \frac{\Delta R}{\Delta O} = \frac{1800 - 1200}{30 - 20} = \frac{600}{10} = 60$$

(b) 
$$P_1 = 60$$
  $P_2 = 56$   
 $O_1 = 20$   $R_1 = 20(60) = 1200$   
 $O_2 = 30$   $R_2 = 30(56) = 1680$ 

$$MR = \frac{\Delta R}{\Delta O} = \frac{1680 - 1200}{30 - 20} = \frac{480}{10} = 48$$

- (c) The monopoly has market power but to sell more product they must decrease price to increase demand. Perfect compition are price takers with infinally elastic demand. When they sell more products, the price doesn't change, they take/gain customers from another buisness in the same market. This makes the marginal revenue higher for perfect compition with the same output increase.
- (d) Perfect Comp. Monopoly



- 2) The price of eggs is subject to price discrimination
  - (a) First Degree Perfect Price Discrimination
    ex/difference in price in Minnesota vs. California
    and
    Second Degree Volume Discrimination
    ex/buying an entire case of eggs is cheaper per egg then a carton
  - (b) Company has market power supermarkets determine price

    (based on supply price)

    Consumer is willing to pay -egg can be a necessity

    Prevent resale -eggs spoil and break easily