Economics 101 Summer 2015 Quiz #4 June 17, 2015	Name	
Please write your answe	rs neatly and legibly.	
following equations Demand for Ty Demand for Ty Suppose there is a s MC = 2	that is comprised of two types of buyers whose demand curves are given by the where P is the price per unit in dollars and Q is the number of units of the good the I buyers: $P = 20 - (1/2)Q$ are II buyers: $P = 10 - (1/8)Q$ angle producer of this good and the producer's MC is given by the equation: ducer has no fixed costs.	1:
Type I buyers and t maximizing price fo total revenue from	ose that this producer can treat this market as two separate markets: the market e market for Type II buyers. Given the above information, calculate the profit r Type I buyers, the profit maximizing quantity for Type I buyers, the level of ype I buyers, the level of total cost incurred in producing for Type I buyers, an om this group of buyers. Show all your work for full credit. Put your answers it	d
Total Revenue from Total Cost from Ty	rs = uyers = Type I buyers = e I buyers = uyers =	
Type I buyers and t maximizing price fo total revenue from	ose that this producer can treat this market as two separate markets: the market e market for Type II buyers. Given the above information, calculate the profit r Type II buyers, the profit maximizing quantity for Type II buyers, the level of ype II buyers, the level of total cost incurred in producing for Type II buyers, a om this group of buyers. Show all your work for full credit. Put your answers it	f and
Total Revenue from Total Cost from Ty	ers = buyers = Type II buyers = e II buyers = buyers =	

c. (5 points) Suppose that this producer is forced to sell this good to both Type I and Type II buyers as if they are a single market (the producer would be a single price monopolist in this case). Calculate the profit maximizing quantity if the producer combines these two types of buyers into one market. Then, calculate the profit maximizing price for this market, the total revenue for this single price monopolist, the total cost for this single price monopolist, and the profits for this single price monopolist. Show your work for full credit. Put your answers in the provided spaces.

Price if single price monopolist =	
Quantity if single price monopolist =	
Total Revenue if single price monopolist =	
Total Cost if single price monopolist =	
Profit if single price monopolist =	