QUIZ 7 - MATH 112	Friday, October 30
YOUR NAME:	George Voutsadakis
Read each problem very carefully before starting to solve points. It is necessary to show all your work. Correct ans worth 0 points. GOOD LUCK!!	-
1. A potter can produce china pitchers at a cost of \$10 each function is $p(x) = 30 - x$, where p is the price at which exweek.	_
(a) Find the cost function $C(x)$.	
(b) Find the manner for this $D(n)$	
(b) Find the revenue function $R(x)$.	
(c) Find the profit function $P(x)$.	

(d) Find the number of pitchers that should be produced to maximize profit.

2.	that	ar rental business finds it can rent 60 cars if it charges \$80 for a weekend. It estimates for each \$5 price increase it will rent three fewer cars. Let x be the number of \$5 price eases made.
	(a)	Find an equation for the price $p(x)$.
	(b)	Find an equation for the number of cars $q(x)$ that will be rented.
	(c)	Find an equation for the revenue $R(x)$.
	(d)	What price should be charged to maximize the revenue and how many cars will be rented at this price?