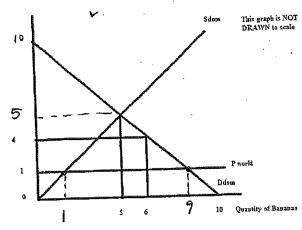
Economics 100 Spring 2015 Answers to Quiz #3

In answering this question refer to the figure below. The figure depicts the market for bananas in a small, closed economy. The figure also provides the world price of bananas, \$1. Assume that both the demand and the supply curves are linear in this market.

Price of Bananas



a. (1 point) Given the above figure, write an equation for the domestic demand curve, Ddom. Show y-influent must be 10 in order (Q,P)=(G,4) and (IO,0) are (IO,0) for slope of December 10 in order (Q,P)=(G,4) and (IO,0) are (IO,0) for slope of December 10 in December 2) slope =  $\frac{G}{F}$ your work.

b. (1. point) Given the above figure, write an equation for the domestic supply curve, Sdom. Show youar work.

AT WORK.

From Dearne: if Q = 5, then P = 5. (Q, P) = (5,5) in m boththe D & Searnes.

From Dearne: P = Q since slope of supply curve is rice = 5 = 1

1/=0

c. (1 point) Given the above figure, if this market for bananas opens to trade, what is the value of consumer surplus, CSopen? Show your work.

When P = 1, then  $Q^0 \Rightarrow P = 10 - Q^0 \Rightarrow 1 = 10 - Q^0 \Rightarrow Q^0 = 9$ 

(Sopen = \$ (10-1)(9) = \$(9)(9) = \$\frac{8!}{2} = \$40.50

d. (11 point) Given the above figure, if this market for bananas opens to trade, what is the value of consumer surplus, PSopen? Show your work.

When P=1, then  $Q^{\dagger} \Rightarrow P=Q^{S} \Rightarrow 1=Q^{S}$ 

