State your student ID:

Shortage = _____

Unit 03

Exercise 04 - Calculating Market Shortage Due to Price Ceiling

Obje	ctive: Apply dem	nand and supply concepts to calculate the ed	quilibrium price and quantity, and
dete	mine the size of	the shortage caused by a government-impo	osed price ceiling.
Scen	ario : The market	t for a specific good in Country A is described	d by the following equations:
•	Demand:	Q _d =1000-50 _P	
•	Supply:	Q _s =200+30 _P	
•	The governm	ent introduces a price ceiling at P = 8.	
TASK	: Calculate (show	w how did you calculate in the space provide	ed) the following:
1.	The equilibriun	n price and quantity.	
			Q _e = P _e =
2.	The quantity do	emanded and supplied at the price ceiling:	Qd = Qs =
3.	The size of the	shortage by finding the difference between	the quantity demanded and supplied.