Name:	UPR	Fall 2014
QUIM3025L Section:		Date:

	Experiment 4: Calibration and handling of volumetric glassware: "Calibrating a 50 mL buret"		
Pre-lab Exercise (10 pts) *Include References			
1.	What do the symbols "TD" and "TC" means on your volumetric glassware? (1pt)		
2.	What are the difference between a Calibration Curve Plot and a Control Chart Plot? Mention at least two (2pts)		
3.	An empty 10 mL volumetric flask weighs 10.4589 g. When the flask is filled to the mark with distilled water and weighed again in the air at 30°C, the mass is 20.5089 g. What is the true volume of the flask at 30°C? Show your calculations! In your opinion, is this a "good" flask? (2pts)		
4.	What are systematic errors and how can these be estimated?		
5.	Answer the following: a. A Correction Curve is a plot of		